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First year aggie connections

Scholar Athlete with demonstrated record of success looking to combine creativity, knowledge and skills to gain further expereince in Project Managmanet and Tech Development. A copy of Alex's resume can be found here. Alex started school at the University of California, Davis in fall 2013 and began working as a Research Assistant in the chemistry department under Kirill Kovnir shortly afterwards. Taking an internship at the Sustainability and Nutrition Office in spring 2015, he left the chemistry department to work as a Farmers Market Marketing Intern after which he had a summer internship at EM&N8 Controllers working as a Hardware Engineer. Finding his niche after 2 years of exploration he accepted a job tutoring Physics and Mathematics in fall 2015 while simultaneously starting work as an Undergraduate Research Associate for the millimeter-wave laboratory studying Applied Electromagnetics and high frequency circuits. In spring 2016 he acquired two more jobs; first an Astronomy Laboratory helper in the Physics department, and second a first year aggie connections peer mentor. Summer 2016 Alex worked at the California Energy Commission as an Energy Analyst where he learned about jobs with the state. In the fall he found that balancing all 5 jobs (for a total of up to 39 hours/week) was a bit much as an honors engineering student, which led to his resignation from the tutoring and roof helping positions while the work for the research position began to wind down. After spring 2017 Alex was selected to represent UC Davis at several conferences and spent some of his summer volunteering as a counselor at a summer camp for foster youth. Beginning school again this fall Alex hopes to finish his degree by spring 2018. He aspires to start a business and move past the early fundraising stages in school to realize his dream of working for himself upon graduation. In his spare time Alex enjoys competing in the UC Davis Cross Country and Track Club team as well as playing Intramural Soccer and Frisbee. With friends he rock climbs and hikes, in addition to stargazing when conditions allow. His free time is spent programing smartphone games and applications, writing, animating, dancing, and learning about the world. Spring 2019 Bachelor of Science - Electrical Engineering 3.6/4.0 GPA, Dean's List, The honor society of Phi Kappa Phi (initiated as Junior), The Engineering honor society of Tau Beta Pi (initiated as Junior) Summer 2018 Chinese Language and Cultures Program Honors: Gilman Scholar, Freeman Asia Scholar, UCEAP Scholarship Summer 2016 UC Entrepreneurship Academy Spring 2017 Big Bang Business Competition Semi-Finalist Spring 2018 Little Bang Business Competition Finalist Spring 2016 Student Leadership Development and Student Professional Development Program Spring 2015 Diversity Leadership Development External Coordinator for Cal Aggie Camp, 2017-2018 Student Vice Preseident for The Honor Society of Phi Kappa Phi, 2016-2018 Industry and Alumni Chair for Tau Beta Pi the Engineering Honor Society, California-Lambda Chapter, 2017-2018 Engineering Futures Coordinator for Tau Beta Pi the Engineering Honor Society, California-Lambda Chapter, 2016-2018 Industry and Alumni Chair for Student Chapter of IEEE at UC Davis, 2016-2017 Federal Aviation Administration, El Segundo, 9/2019-Present Contribute engineering expertise to team and manage technical aspects of projects responsibly, follow procedures. Promptly report developments on projects, document progress/issues, write reports to upper management. Manage multiple budgets for projects ranging from \$1,000-\$1,000,000, ensure project completion is within budget. Los Angeles World Airports, Los Angeles, 1/2020-3/2020 Temporary employment within another organization that works within Department of Transportation jurisdiction. Escorted contractors and federal employees on airfield for construction of new trminal surveillance equipment. Promptly reported developments on projects, documented progress, wrote reports to Tech Opps management. Supervised closure of Taxiways following proper procedures and ensured compliance of runway safety area. Student Housing and Dining Services, Davis, 9/2018-6/2019 Serve as a live in on call staff member and representative of the University Student Housing sdepartment, approximately 55 hours per week. Provide any and all immediate services students may need including but not limited to: resources, counseling, support, tutoring, feedback, and more. Regularly maintain presence in the halls and check in with first years to make sure they are okay. Serve any additional duties as directed by housing directors including but not limited to: Race course martial, event hosting (including setup and takedown), tabling, tour guide, move in crew, advertisement removal, marketing, and more. Promptly report any necessary developments within resident communities and document all situations, articulately write weekly reports to director as well as coordinating team and housing management. California Energy Commission, Sacramento, 7/2016-6/2017 Analyze data from publicly accessible sources such as state and governmental agencies in addition to NGO's. Prepare professional quality reports in excel and power point for marketing and publications. Take and keep detailed notes at meetings and project presentations. Prepare and locate material for Cal-Adapt website blog and academic news reports. Summarize complex technical reports in understandable language using Microsoft power point and word. Student Academic Success Center, UC Davis, 3/2016-6/2017 Worked collaboratively with staff and faculty to plan numerous events for first years to aid in transition to college. Engaged freshman and transfers with leadership training, personal development and campus engagement resources. Coordinated weekly and monthly meetings to introduce first year students to campus resources and activities. Supervised on and off campus social activities with up to a dozen first year students to provide opportunities for students to meet others with similar interests. UC Davis Physics Department, Davis CA, 4/2016-1/2017 Assisted with teaching and supervision of Astronomy Laboratory course in the UC Davis physics department. Answered student questions regarding course material and expectations. Contributed to writing and proctored oral and written final examinations at the end of the term. Supervised student use of telescopes and lab equipment. Prepared for labs weekly. Student Academic Success Center, UC Davis, 9/2015-1/2017 Prepare material weekly to teach students numerous physics and math courses, provide individual tutoring for athletes, underrepresented and first generation college Students, and engage students to create an active learning environment. Explain complex concepts from class in understandable ways. Davis MM-Wave Research Center, UC Davis, 9/2015-10/2016 Measure circuit responses under high frequencies ranging from 10MHz to 67GHz (primarily in the 5GHz-30GHz) Assist with circuit measurements optimized for X-band (8-12GHz). Simulate circuit designs with AWR Microwave Office. Preform design and layout for micro circuits used in measuring high frequency responses. Charismac Engineering/EM&N8 Controllers, Auburn CA, 7/2015-9/2015 Designed parts with Altium the electronics design software, researched components for wireless controllers and sensors. Worked collaboratively with Graduate student interns and Professional Engineers. Found best deals on Market for components to be used in wireless sensing devices. Sustainability and Nutrition Office, UC Davis, 4/2015-6/2015 Oversaw marketing for highest grossing term on record at on campus farmers market and increased profits by over 320% from previous quarter. Coordinated multiple student interns and volunteers. Distributed buttons to promote farmers market. Managed weekly fruit basket promotional program. Wrote weekly newsletter article on farmers market. Represented department at Annual Sustainability Summit. Chemistry Department, UC Davis, 4/2014-4/2015 Performed experimental synthesis of materials for renewable energy technologies. Analyzed samples using dectop Powdered X-Ray diffraction. Made ampoules from quartz tubing and Sealed ampoules under vacuum. Worked in the Kovnir Group. Summer 2018 American Institute in Taiwan. Taipei, Taiwan Summer 2017 Campus Recreation and Unions Davis, California Summer 2016 Rotary International Portola, California Through academic coursework as well as my experiences in internships, research and jobs; I have had exposure to, and working knowledge of the following: SolidWorks, HSPICE, Quartus Prime, ModelSim, EAGLE PCB Design software, Kicad PCB Design software, Altium electronics design software (PCB), Energia with TI Microcontrollers (MSP430), Virtuoso-Analog Design Environment, Spectre-transistor-level analog circuit simulator, GIMP art program, TinkerCAD, MATLAB, Java, C# (Unity), Arduino, AWR Microwave Office, HTML, CSS, JavaScript, bootstrap, git & github, Leadership, Attentive to Detail, Team Work, Communication, Collaboration, Microsoft Word Power Point and Excel Independent Project Summer 2014 to Present Entirely self-taught knowledge of application development and deployment. Use Unity game engine with C# to program and update basic one touch command games. De-bug and deploy finished applications to the Apple App Store. Ensure all applications comply with apple policies and regulations. Maintained support website with for deployed apps. Team Project September 2016 to June 2017 Sponsored by the UC Davis Electrical and Computer Engineering's Adaptive RF Technology group project consisted of building a radar system from scratch For my senior design project I worked with a group of 3 other Engineering students to build (from the ground up) a radar system over the course of the academic year, culminating in a competition for radar preformance. Full details and the technical report can be found here. In addition samples of our first and last project progress reports can be viewed, these were used in weekly reports to the supervising professor as well as the graduate student instructors. Team Project September 2015 to June 2016 Sponsored by Texas Instruments this design project program admitted only 20 sophmore and junior students in the college of engineering to form 3 teams. Our project was presented at numerous venues such as UC Davis' Picnic Day, Industrial Affiliates, Senior Design Showcase, and Maker Fair. Worked collaboratively in a group with other engineering students to develop a project that engaged audiences with the auditory and visual senses. Motivated children and young adults to pursue careers in STEM fields by getting them excited about technology and what can be created. Showcased knowledge gained in program by presenting project at numerous local and national events. Prepared technical paper and report of project goals, scopes and accomplishments. A copy of the final report can be found here and an image gallery of pictures taken at Picnic Day can be seen here. There are also videos of our project mirror and box. Arthur & Julia Suran Scholarship, UC Davis, for "recognition of accomplishments and potential for future achievement" 2018-2019 Gilman Scholar, United States Department of State, for students traditionally underrepresented in study abroad, Summer 2018 Freeman Asia Scholarship, United States Department of State, for intensive language immersion program in Asia, 2018 UCEAP Scholarship, University of California, awarded to the top 10% of students studying abroad, Sumer 2018 Boeing Scholar, Boeing and UC Davis, for "the most deserving undergraduate students in the department" Spring 2018Little Bang Poster Pitch, Institute for Innovation and Entrepreneurship, for top-10 business startup pitch, Winter 2018Golden Key Honor Society, The International Honor Society (top 15% of school), Joined Summer 2017 National Society of Leadership and Success, Nominated by faculty and staff for scholarship and leadership, September 2016 Texas Instruments Scholar Award, Texas Instruments, awarded to top four students in UCD ECE Department June 2016 Phi Kappa Phi, The All-Discipline Honor Society, Initiated Spring 2016 as a junior (top 7.5% of class) Deans' Honor List, College of Letters and Sciences Winter 2014, College of Engineering Fall 2014-Spring 2015 Tau Beta Pi, The Engineering Honor Society, Initiated Spring 2015 as a junior (top 1/8th of engineering class) Fred Fucshlin Scholar, UC Davis, for a "desire to use engineering for the betterment of mankind" 2015-2016 Miranda Technologies Scholar, Top student at Bear River with intent to pursue STEM degree 2013-2017 William and Marian Ghidotti Foundation Scholar, Top 12 College bound students in the county, 2013-2017 Elks Most Valuable Student Scholar, Elks Club, For most valuable overall student in Nevada County 2013 California Scholars Federation Life Member, Bear River High School, June 2013 Renaissance Scholar Award (RED), Bear River High School, for maintaining highest bracket GPA 2010-2013 First Place at Bear River Math Trig Star, California Land Surveyors Association, May 2012 See the races I ran on Athletic.net Career Bests 8K: 27:31.1 See the races I ran on MileSplit.com Awards and Accomplishments Scholar Athlete Award; November 2009-2012 (Cross Country), May 2010-2013 (Track and Field) Athlete of the Month Bear River High School; November 2011 Most Valuable Athlete Award Bear River High School; November 2011-2012 (Cross Country), May 2012-2013 (Track and Field) All-League Honors Pioneer Valley League; November 2011-2012 (Cross Country), May 2012-2013 (Track and Field) Career Bests 800m: 2:06.08 1500m: 4:15.61 1600m: 4:28.62 3000m: 9:46.24 3200m: 9:57.86 3 Mile: 16:49 5k: 16:58.8 I was very involved in the standup comedy scene at school and am now pursuing it in LA! Last UC Davis Performance I think financial literacy is very important in our society and world today and have been compiling most of what I've learned on a blog site that can be found here: Personal Finance and Investing acoffman (at) ucdavis.edu First-Year Aggie Connections (FYAC) is a fun and interactive program for all new freshmen, transfer and international students. "Connections" are small groups based around a shared purpose, interest or theme and meet regularly for one academic quarter. This program aims to foster fun experiences that empower students to navigate their first year at UC Davis. Registration Information Meet new people: Connect with other first-year students you have something in common with. Build community: Create a supportive circle of friends, mentors and allies within the larger UC Davis community. Get to know campus: Figure out the lay of the land and all that UC Davis has to offer. Get involved: Connect with resources, student clubs, jobs, leadership opportunities and more. Get connected: Creating connections both in and out of class is an essential part of the first-year student experience and for building success at UC Davis. Early July - Registration opens Mid July - Email notifications go out July through September - Register for a connection Beginning of fall quarter - Fall welcome kick-off event Second week of fall quarter - Registration closes First-Year Aggie Connections, 2019-2020

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