Christopher Demos

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PROFESSIONAL EXPERIENCE

Aphid LLC, Los Angeles, CA   May 2020 to Present
Mobile Developer
- Coding in React Native and Javascript, developing an Android and iOS application
- Utilizing GitLab, Linux, Upsource and issue tracking tools in an agile and scrum environment

Peace Corps, Cameroon   May 2019 to March 2020
Education Volunteer
- Taught mathematics and computer science to high school students in 90-student classes
- Stimulated collaborative learning through hands-on lessons and game -centered learning
- Learned French in 10 weeks advancing from novice to advanced in order to carry out activities in the community

Cubic Global Defense, San Diego, CA   June 2016 to April 2019
Electrical Engineer
- Conducted ground system testing for radio control and communication to UAVs, including bit error rate and signal-to-noise ratio
- Designed automatic test software in C#, Visual Basic and TestStand, integrating network analyzers, power meters and oscilloscopes
- Cooperated with digital, RF and power design teams to debug and implement hardware design changes
- Automated the output reporting of RF gain, p1dB and spectral mask testing into Excel charts and result documents
- Designed software GUIs to control and communicate with RF chains, microcontrollers and FPGAs

San Diego Refugee Tutoring, San Diego, CA   February 2018 to April 2019
Tutor for Math and English
- Mentored primary school and high school refugee students and cultivated their basic English and foundational math skills

Clarity Design Inc., San Diego, CA   September 2015 to May 2016
Software Design Engineer
- Designed microcontroller software in C to control sensors and an LCD display for a portable non-invasive tonometer

University of San Diego, San Diego, CA   September 2014 to May 2015
Digital Design Lab Assistant
- Trained students on improved techniques in digital systems design, VHDL, FPGA prototyping and ChipScope

University of San Diego, San Diego, CA   September 2014 to May 2015
Embedded Systems Design Lab Member
- Designed, synthesized, and implemented combinational and sequential logic in VHDL to program hardware

EDUCATION

University of San Diego   May 2016, San Diego, CA
BA/BS Dual: Electrical Engineering
Minor: Mathematics
Overall GPA: 3.89

Course Work

Systems Logic Design	Power	Electronics	Embedded Systems Design
Programming in C++	Materials Science	Signals and Systems	Linear Algebra

Additional Skills

C#	LabVIEW	Spectrum Analyzers	Matlab	VHDL
Java	Oscilloscopes	Function Generators	Power Meters	Visio