Caroline Quark

1234 Neutron Dr. Apt 314, Sacramento, CA 98436
(990) 555-4567 caroline.quark@gmail.com

Education

California State University, Sacramento (CSU-Sacramento) — Sacramento, CA
BS in Physics, Minor: Computer Science — Expected Graduation: May 2019
Cumulative GPA: 3.68 Major GPA: 3.86

Skills

Programming: Python (experienced), Java (proficient), C (proficient), C++ (limited)
Software: Microsoft Office, LabVIEW, gnuplot, Verilog
Hardware: Advanced electronics, analog and digital device design, machining tools
Analysis: Electronic noise, Electromagnetic field simulation of devices
Languages: Conversational Spanish

Professional Experience

Logic Design Intern — May – August 2017
Intel Corporation — San Jose, CA

- Designed and implemented high speed memory interface IPs for low power applications
- Validated designs using standard test protocols
- Reduced error rates by 20% between test phases
- Developed advanced abilities in debugging using Verilog simulation tools

Undergraduate Research Assistant — June 2016- Present
CSU-Sacramento, Dept. of Physics & Astronomy, Advisor: Dr. Isaac Newton — Sacramento, CA

- Built a temperature controller using a Programmable System on a Chip (PSoC)
- Programmed a PID controller system using C with a wide range of inputs
- Conducted extensive literature reviews and a patent search on comparable devices
- Strong familiarity with electronics, analog/digital electronic devices, and machining tools

Leadership

President, Society of Physics Students, CSU-Sacramento Chapter — August 2016 – May 2017

- Conducted 12 science outreach events for local elementary and high schools
- Organized 20 students to attend 2016 Physics Congress (PhysCon) in San Francisco, CA

Resident Advisor, CSU-Sacramento — August 2016 – Present

- Mentored and counseled 45 first-year students
- Developed programming covering conflict resolution, sustainability, and study habits

Awards and Honors

Sigma Pi Sigma Physics Honor Society — May 2017 – Present
Maxwell Physics Scholarship — August 2015 – Present

Presentations (Poster unless noted)

Low-temperature PID characterization of LaB6 crystals — November 2016
2016 Physics Congress (PhysCon), San Francisco, CA

Characterization of LaB6 devices in UHV — August 2016
CA Space Grant Symposium, San Francisco, CA

Gabe Gravity

876 Main St., Memphis, TN 45832 | (555) 555-5555 | gabe.gravity@gmail.com

Education

Rhodes College, Memphis, TN

- B.A. in Physics — Expected December 2018
- Minor: Technical Writing — GPA: 3.3

Skills & Abilities

Technical

- Advanced ability to format and present documents in Microsoft Office, LaTeX, and Adobe InDesign
- Basic coding and modeling in IDL and Python

Communication

- Able to write clearly and concisely for a range of technical and non-technical audiences
- Synthesize quickly and communicate technical knowledge to a diverse group
- Presenting technical information through 2 posters and an oral presentation at scientific conferences

Leadership

- Manage volunteer recruitment and organization for multiple on- and off-campus public outreach events
- Mentored 2 reporters to become productive members of the Rhodes Weekly News team

Experience

LEARNING ASSISTANT — January 2016 – Present
Rhodes College, Department of Mathematics — Memphis, TN

- Tutor first- and second-year physics students in Calculus I -III and matrix algebra
- Recognized as Learning Assistant of the Year for 2016-2017 academic year.

OUTREACH CHAIR — August 2015 – May 2016
Society of Physics Students, Rhodes College Chapter — Memphis, TN

- Annually coordinated and led 10 on- and off-campus public outreach events for K-6 classrooms
- Developed age-appropriate demonstrations of physics and astronomy phenomena
- Facilitated outreach several events with the Pink Palace Museum and St. Jude Target House

Extracurricular Activities

Society of Physics Students — August 2015 – Present
Science Writer, Rhodes College Weekly News — January 2016 – Present

Select Presentations

Outreach to the stars – Science for kids — April 2016
SESAPS Annual meeting 2016 — Memphis, TN
Newton's Third Law Experiments for K – 6 — October 2015
SESAPS Annual meeting 2015 — Bowling Green, KY

Ella M. Particle

1000 Massachusetts Ave., NW, Apt. 101, Washington, DC 20040
555-555-5555 | ellap@american.edu

Skills

Technical Experience

- Developed testbeds and automated device characterization for organic transistors including hardware, software, and device fabrication in a clean room environment
- Test equipment: Multichannel analyzer, soldering and circuit design, optical microscopy, Atomic Force Microscopy, and clean room protocols
- Programming: C++ (proficient) and Python (basic)
- Software: Labview, Word, Excel, and AutoCAD

Teamwork

- Collaborate within research group to explore technical topics, synthesize key results, and present reports through journal club via written documents and oral presentations
- Three years of experience providing excellent customer service in a fast-paced, help desk

Communication

- Effectively interfaced with customers to troubleshoot problems and develop solutions
- Created weekly written reports to communicate recurring issues and identify trends
- Scheduled meetings and training sessions for ~30 students and ~10 faculty per semester

Education

American University — Washington, DC

Bachelor of Science, Physics — Expected: May 2018

Minor: Mathematics

Relevant Coursework: Mathematical Methods for Physicists, Optics, Thermal Physics, Physical Chemistry I & II, Analog circuits, Digital Circuits, Sensors and Transducers

Work Experience

Tutoring Center Assistant — May 2014 – Present

Student Services, American University — Washington, DC

- Provided friendly and prompt assistance to students scheduling tutoring resources
- Developed a network of contacts and resources to resolve challenging queries
- Worked 20 hours per week while maintaining full-time student course load
- Proficient with advertising on social media and basic web design

Extracurricular Interests and Activities

Volunteer, STEM Camp for Girls — Summer 2016

American University Ultimate Frisbee — Fall 2015 – Present

Society of Physics Students — Fall 2015 – Present