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Charlotte McGinn

Education

University of California, Los Angeles — **Class of 2019**
B.S. in Computer Science and Engineering

Languages

- C++
- C
- Verilog
- HTML / CSS
- Matlab
- SQL

Tools

- Arduino
- WebGL
- Photoshop
- Bash
- Git

Honors

- Grace Hopper Conference 2016 Scholarship, UCLA CS Department
- Qualcomm Women's Collegiate Conference Attendee
- Science Department Student of the Year, Mission Hills High School
- High School UCSD Gordon Fellow
- NCWIT Aspirations in Computing National Runner-Up and San Diego Winner

Experience

Explorer Intern at Microsoft — **Jun – Sept 2017**
- Queried big data with a **SQL** and **C#** based internal scripting language to determine data model alignment
- Designed a user interface to effectively present the results from the data queries

Hack Officer at UCLA ACM — **Apr 2017 – Present**
Hack Sprint Co-Director — *Apr – May 2017*
- Organized and lead a four-week sprint where teams of up to four competed to build the best iOS Apps
- Formed teams, built session structure, and updated UCLA Hack website

UCLA Radio Web Department — **Apr 2017 – Present**
- Developing features for the iOS App with **Swift** to improve functionality and user experience

Marketing Research Intern at Nordson ASYMTEK — **Jun – Sept 2016**
- Wrote and populated content onto a high-priority internal web tool for our sales team to professionally engage customers
- Managed Salesforce data to organize the customer reports to make our dashboards more effective

Projects

DevX Pointers — **Apr – Sept 2017**
- Developed frontend of Pointers using **HTML**, **SASS/CSS**, **Javascript**, and **Embedded Ruby**
- Built out site components and pages to be responsive and mobile friendly
- Won the Code for the Mission "Diversity in Education" track award, with a $5000 cash prize

Keyboard HEERO — **Nov – Dec 2016**
- Wrote an algorithm in **Arduino C** to take note packages and illuminate the corresponding active notes down some LED strips
- Implemented the ability to have the correct note pitch play aloud at the same time that the associated note is played on the keyboard

Air Mouse — **Oct – Dec 2016**
- Built a wireless air mouse with two microcontrollers and radio modules which communicated over the I2C protocol
- Developed code in **Arduino C** to transmit data packages with mouse position for cursor movement, button clicks, and battery voltage levels