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Charlotte McGinn

Education

University of California, Los Angeles — **Winter 2020**
B.S. in Computer Science and Engineering

Languages

- C
- SQL
- Python
- C++
- HTML / CSS

Tools

- Arduino
- 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

Amazon | Software Engineering Intern — **Sept – Dec 2018**
Team TBA
- TBA

Microsoft | Software Engineering Intern — **Jun – Sept 2018**
Network Developer eXperience Team
- TBA

Microsoft | Explorer Intern — **Jun – Sept 2017**
Membership, Knowledge, and Growth Team
- Fetched big data with an **SQL** and **C#** based internal scripting language and analyzed data model alignment
- Implemented a client-side interface to render data in graphs

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

Projects

DevX Pointers — **Apr – Sept 2017**
- Developed frontend using **HTML**, **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