



charlotte.mcginn
@engineering.ucla.edu



charlottemcginn.com



760 • 814 • 5481



github.com/
charlottemcginn

Charlotte McGinn

Education

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

Languages

- C++
- C
- MIDL 3
- SQL
- Python
- Verilog
- HTML / CSS

Tools

- Git
- Bash
- Arduino
- Photoshop

Leadership

UCLA ACM

- Internal Director
- Hack Officer

TEALS Computer Science Fair LA

- Panels and Workshops Organizer

Github Field Day LA

- Event Organizer

Honors

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

Experience

Amazon | Software Engineering Intern Sept – Dec 2018
Alexa Personalization Team
Seattle, WA

- TBA

Microsoft | Software Engineering Intern Jun – Sept 2018
Network Developer eXperience Team
Redmond, WA

- Designed and implemented 8 WinRT HttpClient API methods (~2,000 lines) with **C++** and **COM** to enhance the HttpClient experience for Windows Developers
- Projected COM-level implementation code to C++/CX, C#, and JavaScript libraries through IDL (**MIDL 3**)
- Tested the functionality of these new API methods (~1,000 lines) with automated TAEF-based test code at the ABI level (in **C++**) and Projection level (in **C#**)

Microsoft | Explorer Intern Jun – Sept 2017
Membership, Knowledge, and Growth Team
Redmond, WA

- 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 Intern Jun – Sept 2016
Global Marketing Communications Team
Carlsbad, CA

- 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

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