



charlotte.mcginn
@engineering.ucla.edu



charlottemcginn.com



760 • 814 • 5481



github.com/
charlottemcginn

Charlotte McGinn

Education

University of California, Los Angeles
Expected Graduation June 2020
B.S. Computer Engineering

Languages

- C++
- C
- Java
- SQL
- Python
- Verilog

Tools

- Git
- Bash
- Arduino
- Photoshop

Activities

- Ultimate Frisbee – UCLA Women's B Team Handler
- ACM - Hack Committee Officer
- Teals CS Fair – Panels and Workshops organizer

Honors

- Rewriting the Code Fellow
- High School UCSD Gordon Fellow
- NCWIT Aspirations in Computing National Runner-Up and San Diego Winner

Experience

- | | |
|---|--|
| Tesla Software Engineering Intern
<i>Model 3 User Interface Team</i> | Jun – Sept 2019
<i>Palo Alto, CA</i> |
| <ul style="list-style-type: none"> • TBA | |
| Amazon Software Engineering Intern
<i>Alexa Personalization Team</i> | Sept – Dec 2018
<i>Seattle, WA</i> |
| <ul style="list-style-type: none"> • Designed and implemented a library in Java that uses the Google Guava Bloom Filter API to index customer data for more efficient lookup by a GDPR/HIPAA compliance system • Reduced the cost of running the GDPR/HIPAA compliance system by 90%. This system scans 100s of TB of data in S3 to find records to delete | |
| Microsoft Software Engineering Intern
<i>Network Developer eXperience Team</i> | Jun – Sept 2018
<i>Redmond, WA</i> |
| <ul style="list-style-type: none"> • Designed and implemented 8 WinRT HttpClient API methods 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 with automated TAEF-based test code at the ABI level (in C++) and Projection level (in C#) | |
| Microsoft Explorer Intern
<i>Membership, Knowledge, and Growth Team</i> | Jun – Sept 2017
<i>Redmond, WA</i> |
| <ul style="list-style-type: none"> • 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 into graphs | |
| Nordson ASYMTEK Marketing Intern
<i>Global Marketing Communications Team</i> | Jun – Sept 2016
<i>Carlsbad, CA</i> |
| <ul style="list-style-type: none"> • Wrote and populated content onto a high-priority internal web tool for the sales team to professionally engage customers • Managed Salesforce data to organize customer reports | |

Projects

- | | |
|--|------------------------|
| DevX Pointers
<i>Ruby</i> | Apr – Sept 2017 |
| <ul style="list-style-type: none"> • 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 |
| <ul style="list-style-type: none"> • 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 | |