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# Charlotte McGinn

## Languages

- C++
- HTML / CSS
- C

## Software Tools

- Arduino
- Bash
- Git
- Dreamweaver
- Photoshop

## Honors

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

## Education

### University of California, Los Angeles

Sept 2015 – Present

*B.S. in Computer Science and Engineering*

- WATT Treasurer, IEEE Corporate Outreach member, Mentor SEAS
- Relevant coursework: Intro to Computer Organization, Intro to Computer Science I & II, Intro to Discrete Structures, Physics 1A & 1B

## Experience

### Marketing Research Intern at Nordson ASYMTEK

June – Sept 2016

- Developed and populated content onto a high-priority internal web tool for our sales team to professionally engage customers
- Managed Salesforce to organize the data in customer reports to make our dashboards more effective
- Learned how an engineering business is run by shadowing marketing and engineering department meetings

### University of California, San Diego Extension

July 2014

- Course: Building and Programming Fundamentals
- Programmed Lego Mindstorms NXT robot in C to complete daily assigned challenges

### COSMOS at University of California, San Diego

July – Aug 2013

- Course: Computers in Everyday Life
- Learned to program through projects using MIT AppInventor, Parallax Scribbler robots, and Arduino UNO

## Projects

### UCLA IEEE OPS

Sept 2015 – June 2016

- Capstone project: worked in a team of three to create a microcontroller-based line-following car using PID control
- Learned how to solder, create circuits, program microcontrollers in C, design PCBs, and write a PID function

### Frackman Game

Nov 2015

- Implemented the backend of a 2D arcade style videogame in C++
- Applied class hierarchy, polymorphism, object-oriented program design, data structure, and search algorithm knowledge

### FIRST Robotics Team 5137

Sept 2013 – June 2015

- Co-founded the team, served as co-president for two years
- Developed technical skills in electrical, pneumatic, and mechanical systems
- Exercised soft skills in team leadership, acquisition of sponsorship, and organization of large scale events