

Raphael Long

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Education

University of Illinois at Urbana Champaign
BS Computer Science in Engineering
2017-2021
-./-/4.00 GPA

Palo Alto High School
High School Diploma
2013-2017
4.00/4.00 Unweighted GPA

Experience

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|-------------|---|
| 2016-2017 | Advanced Authentic Research Program Student <ul style="list-style-type: none">- Used MATLAB to model propagation of noise in wireless systems- Created research paper and presented at end of year showcase |
| 2016 - 2017 | Software Captain, FIRST Robotics Competition Team 6036 <ul style="list-style-type: none">- Led team of 4 to develop autonomous and remote control robot code- Instructed students in C++, Java, UNIX, and version control |
| Summer 2016 | Mentor, Design Farm <ul style="list-style-type: none">- Instructed group of 8 students in design process and principles- Worked on pneumatic bike and underwater drone prototypes |
| 2015 - 2016 | Mentee, Mentored by Moritz Hardt <ul style="list-style-type: none">- Performed data analysis in Python to illustrate unexpected bias in machine learning- Constructed use cases to test the effectiveness of definitions of prejudice |
| Summer 2015 | Assistant Coach, Wheel Kids Bike Club <ul style="list-style-type: none">- Taught bike safety and supervised group activities- Led groups of 15 kids on local bike trips |
| 2013 - 2016 | FIRST Robotics Competition Team 8 |
| 2014 - 2016 | Web Captain <ul style="list-style-type: none">- Created new content and maintained team website- Lead team of 5 and instructed students in HTML, CSS, JS, and version control |
| 2013 - 2016 | Scouting Captain <ul style="list-style-type: none">- Developed system to analyze competitor robots' ability- Compiled data to create a ranked list of teams- Delegated tasks and managed up to 30 members in competition setting |
| 2013 - 2014 | Web Member <ul style="list-style-type: none">- Worked with team of 5 to create a team website |

Skills

Experienced with Java, Python, HTML, CSS, JS, MatLab, C++, and UNIX

Awards

2017 - AP Scholar with Distinction
2016 - National Merit Scholarship Finalist
2015 - English Department Award
2014 - Foreign Language Department Award
2014 - Math Department Award