

Stephen Clark

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EDUCATION

- Carnegie Mellon University - B.S. in Computer Science
- La Jolla Country Day School

May 2019

May 2015

SKILLS

- Programming: Java, Android, Python, C, Fortran 90/5, Arduino, RobotC, AVR
- Web and Typesetting: PHP, MySQL, HTML/CSS, Javascript, L^AT_EX
- GNU+Linux: CentOS, RedHat, Fedora, RaspberryPi, bash, ssh, git
- Certifications: Oracle Certified Associate - Java SE 7 Programmer

ACADEMIC AWARDS

- Cum Laude Society Member
- San Diego CodeDay: Awarded Top Overall Application
- San Diego Air & Space Museum: Jennings Kelly Scarborough Scholarship
- La Jolla Country Day School: Don Ing's Engineering Scholarship Award
- Rensselaer Polytechnic Institute Engineering Award

2015

2015

2015

2014

2014

EXPERIENCE / ACTIVITIES

- Measurabl Inc. - Software Engineer Intern 2015
 - Developed **Python** weather normalization models and **Java 8** map division routines. Scripted weather models and map division routines into the sustainability focused start-up web application.
 - Responsible for automating the process of detecting outliers in utility data with **Google Scripts**, saving valuable man-hours.
- University California San Diego - Supercomputer Center - Research Intern 2013
 - Refactored **Fortran** code responsible for enhancing capabilities of AMBER MD integration with QChem, a quantum chemistry program used to rapidly model molecular structures.
 - Developed a **Python** benchmarking script to track improvements made to the AMBER MD software application.
- La Jolla Country Day School Robotics Team - Principle Programmer 2007 - 2015
 - Developed autonomous robots programs that utilized asynchronous sensory input in **RobotC**.
 - Responsible for assisting with electrical and mechanical assembly, programming, and leading new robot technology discussions with underclassmen.
- La Jolla Country Day School Cyber Patriot Team - UNIX Systems 2012 - 2015
 - Senior member of team responsible for identifying and securing vulnerabilities in simulated corporate networks. Team annually qualified for the San Diego County Mayors Cup competition.
- La Jolla Country Day School Business Club - Founder and President 2013 - 2015
 - Established a competitive business club in conjunction with Junior Achievement of San Diego Organization, to provide financial literacy and business management education to students.
 - Our team, Nalu Surf Wax, was awarded the FedEx Access award and a 3rd place overall finish in national business competition in our first year of competing.
- Pacific Nautilus Autonomous Robotics - Team Member 2013 - 2014
 - Designed Arduino projects for proposed submission to the Ruben H. Fleet Science Museum.
 - Developed Raspberry Pi microcontroller devices to navigate unmanned submarines during competitions in **Python** and **AVR**.