Stephen Clark

San Diego, CA
(619) 240-6566
sclark@linux.com
www.sclark.io

EDUCATION

- Carnegie Mellon University - B.S. in Computer Science — May 2019
- La Jolla Country Day School — May 2015

SKILLS

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

ACADEMIC AWARDS

- Cum Laude Society Member — 2015
- San Diego CodeDay: Awarded Top Overall Application — 2015
- San Diego Air & Space Museum: Jennings Kelly Scarborough Scholarship — 2015
- La Jolla Country Day School: Don Ing's Engineering Scholarship Award — 2014
- Rensselaer Polytechnic Institute Engineering Award — 2014

EXPERIENCE

- Software Engineering Institute - CERT Intern — 2016
  - Working on team responsible for developing CERT STEPfwd, an interactive cybersecurity and forensics training platform commissioned by the United States Department of Defence (DoD).
  - Specifically working on STEPfwd API functionality and physical infantry simulator capable of running training scenarios in conjunction with STEPfwd.
- 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 extending capabilities of AMBER MD to integrate with QChem, a quantum chemistry program used to rapidly model quantum molecular structures.
  - Developed a **Python** benchmarking script to track improvements made to the AMBER MD software application.

ACTIVITIES

- La Jolla Country Day School Robotics Team - Principal 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.
- 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**.