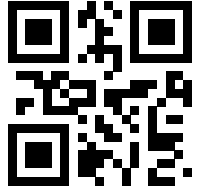# Stephen Clark

www.sclark.io
(###) ###-####
sclark@linux.com

EDUCATION

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

SKILLS

- Programming: Java, NodeJS, SML, Python, SQL, HTML/CSS, C
- GNU+Linux: CentOS, RedHat, Fedora, RaspberryPi, bash, ssh, git
- Certifications: Oracle Certified Associate - Java SE 7 Programmer

EXPERIENCE

- BIOVIA - Dassault Systmes - Software Engineering Intern — Summer 2016
  - Designed and implemented performance and scalability tracking of the Pipeline Pilot API.
  - Constructed Pipeline Pilot examples protocols to showcase **Python** integration features.
  - Developed Pipeline Pilot protocol version control models in both **git** and **svn**.

- Software Engineering Institute - CERT Intern — Spring 2016
  - Devised strategies for automated deployment of virtual machines critical to STEPfwd system.
  - Developed the CERT STEPfwd platform with a team. STEPfwd is a cyber security resource and training platform commissioned and used by the United States Department of Defense.
  - Responsible for STEPfwd API functionality in **C#** and with physical infantry simulator capable of running training scenarios in conjunction with STEPfwd.

- Measurabl Inc. - Software Engineering Intern — Summer 2015
  - Developed **Python** weather normalization models and **Java 8** county map division routines.
  - Scripted weather normalization models and county map division routines into web application.
  - Responsible for automating the process of detecting outliers in utility data utilizing **Google Scripts**, saving more than a day of work.

- University California San Diego - Supercomputer Center - Research Intern — Summer 2013
  - Refactored **Fortran** code responsible for extending AMBER MD capabilities. Integrated AMBER MD with QChem, a quantum chemistry package with 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 robotic 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 San Diego County Mayors Cup competition.

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