github.com/jbovee
linkedin.com/in/jacob-bovee

Jacob Bovee

Essex, VT
(802) 324-6913
jacob.r.bovee@gmail.com

Employment

Research Engineer, Pathways Program **NIST** **June 2016 - August 2016**

- Developed software module in C++ to streamline configuration process in Linux environment
- Modified existing software functions, and designed new features, to implement mathematical techniques, models, and data sets into network simulations for later analysis
- Wrote Python scripts to compile webpage data into SQL database

Computer Support Technician **Norwich University** **August 2013 - May 2015**

- Supported end-user hardware and software for faculty, students, and staff
- Worked independently on Windows, Mac, and Linux laptop and desktop machines

Education

Northfield, VT **Norwich University** **Fall 2013 - December 2016**

- Bachelor of Science in Computer Science, December 2016. GPA: 3.78
- Minors in Mathematics and Engineering Science (Electrical Engineering)
- National Science Foundation CyberCorps: Scholarship for Service

Technical Experience

Genetic Programming Research Thesis **Spring 2016 - Fall 2016**

see github.com/jbovee/rubiks-revenge-py

- Designed and created Python class to simulate a 4x4x4 Rubik's cube and its moves
- Implemented DEAP genetic programming library with cube class and functions
- Designed and tested numerous algorithms to evaluate cube completeness

Super Bowl 50 Technical Team Assistant Lead **Fall 2015 - Spring 2016**

- Created Apache Nifi module in Java to parse and reorganize incoming data into JSON format
- Installed and managed Elasticsearch/Kibana instance with millions of unique data documents
- Went with team to California to work with Stadium cybersecurity, monitor live event data using software and created tools, and compile findings for later deeper analysis

Software Engineering **Course Group Project** **Fall 2015**

- Worked with team to design and create emergency contacting browser application for Android

Asst. System Administrator **NUCACDF** **Fall 2014 - Spring 2015**

- Deployed and managed virtual machines for university classes using vSphere

Languages and Technologies

- **Proficient:** Python; C++; Java **Familiar:** SQL; HTML/CSS; Matlab
- DEAP; Elasticsearch; Kibana; ns-3; Git; Mathematica; Apache Nifi; Wireshark; vSphere

Leadership and Honors

- **Eagle Scout Project:** Designed and managed addition of a natural playground to local park
- **Upsilon Pi Epsilon** Honor Society

References Available Upon Request