Scott Shevrin

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Work Experience

Protegrity
Software Engineer
[May 2019 – Present] Stamford, CT | Remote
- Utilized JavaScript, Python, and Unix shell scripting in Protegrity's Discover tool
- Developed technology to classify and track sensitive data utilizing machine learning and pattern recognition
- Led webapp refactoring to meet Progressive Web App standards utilizing React and TypeScript

Lockheed Martin
Space Systems Software Engineer
[October 2018 – May 2019] Littleton, CO
- Utilized Python, C, and Unix shell scripting in development for newly-announced Lockheed Martin SmartSat
- Designed and implemented requirements-based satellite verification using proprietary integrated development environment (IDE)

Neya Systems
Engineering Co-op
[April 2017 - September 2017] Warrendale, PA
- Designed and implemented full-featured testing and data acquisition suite for use with autonomous vehicles in UNIX (Linux) development environment
- Led database design utilizing PostgreSQL to capture and manage real-time datasets for analysis and visualization
- Created and tested algorithms utilizing LiDAR and Kinect sensors

Battelle Memorial Institute
Cyber Embedded Systems Co-op
[March 2016 - September 2016] Columbus, OH
- Developed analytics tool that supports new product capable of non-destructively classifying electronic devices as authentic or counterfeit by utilizing machine learning and signal processing
- Designed a circuit board to validate miniature connections in ultrafine pitch harness
- Worked with software defined radio, Ettus E310, to detect and monitor sensor messages and interact with sensors
- Researched and identified methods to measure effectiveness of GPS transmitters

Activities
Member, (IEEE), 2015 – present
Member, (NY Tech Meetup), 2012 – Present

Honors / Awards
- A.J. Drexel Scholarship, Drexel University, 2015 - Present
- Best Hardware Hack, HackRU, Spring 2014
- Mashery API Award, HackRU, Fall 2012
- Twilio API Award, HackRU, Fall 2012
- Highest Seeded Rookie team, Philadelphia Regionals of FIRST Robotics competition, Spring 2011

Education

Drexel University | Philadelphia, PA
BS in Computer Engineering • Minor in Electrical Engineering
Earned: June 2018

Burlington County College | Mount Laurel, NJ
Associates of Science in Engineering
Earned: May 2015

Technical Skills
Programming: Python; Javascript; MATLAB; Git; SQL; MVC / MVVM; MongoDB; C; C++; C#; Node.js; PHP; WPF; VHDL; OpenCV; WebSockets; Ruby; JQuery; Angular.js; SASS; CSS3; HTML5; RESTful Systems; D3.js; Visual Basic

Software: AutoCAD; Sketchup; Filemaker; SolidWorks; Adobe Suite (Photoshop, Illustrator, Premiere); Amazon Web Services (AWS)

Hardware: Arduino; Raspberry Pi; Oscilloscope; Multimeter; Spectrum Analyzer

OS: Windows; Unix (Linux, OSX)

Research / Projects

Personal Website
Designer / Programmer
[Present] scottshevrin.com
- Designed a landing page for my personal portfolio
- Created a Node.js server to host website using several modular template engines
- Developed custom CSS using SASS engine and implemented HTML template engine (e.g. EJs and ECT)
- Employed mobile and desktop friendly practices to provide seamless experience on any platform

Engineering Design Project "Frogger"
Project Leader / Designer
[Spring 2015] BCC, Mt. Laurel, NJ
- Prototyped an interactive obstacle course along with 4 other team members
- Drafted custom electrical circuits and mechanical parts utilizing AutoCAD and NI Multisim

Undergraduate Research
Research Assistant
[Spring 2014 - Summer 2014] BCC, Mt. Laurel, NJ
- Developed a web-powered telescope protocol
- Researched cutting edge technology (e.g., Node.js, WebSockets, Raspberry Pi)

Nodecar
Designer / Programmer
[Spring 2014] HackRU, New Brunswick, NJ
- Created multiple web servers to drive a car remotely utilizing Node.js, Raspberry Pi and Arduino technologies
- Programmed Arduino to interpret data from phone tilt sensors to steer vehicle
- Recipient of "Best Hardware Hack" Award

Relevant Coursework
Blockchain and Cryptocurrency
Algorithm Theory & Cryptography
Cell and Tissue Image Analysis
Discrete Mathematics