Scott Shevrin

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Work Experience

Northrop Grumman Corporation

Senior Principal Software Engineer
[February 2023 – Present] | Linthicum, MD

- Led several UI/UX development efforts utilizing Typescript and Python technology stacks for testing and designing quantum computing hardware
- Built and led medium size development team focused on supporting modeling and simulation efforts using high performance computing (HPC)
- Worked on large team to deliver functional test platform supporting characterization and calibration of qubits and Reciprocal Quantum Logic (RQL) fabrication
- Developed and implemented machine learning algorithms for use on superconducting hardware
- Designed CI/CD requirements that improved team output and productivity

Protegrity

Software Engineer
[May 2019 – January 2023] | 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

Software 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

Tech Commandos

IT Technician / Software Engineer
[August 2013 - April 2015] Marlton, NJ

- Managed company's server network; responsible for hosting clients' ACT (CRM) data and remote computers
- Provided phone and in-person tech support to hundreds of companies and individual clients
- Designed and managed client SQL databases
- Evaluated and helped develop new software and web applications

Education

Drexel University | Philadelphia, PA

BS in Computer Engineering • Minor in Electrical Engineering
Earned: June 2018

Technical Skills

Programming: TypeScript; JavaScript; React; Python; MATLAB; Git; SQL; GraphQL; 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

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/Cryptocurrency Cell and Tissue Image Analysis
Algorithm Theory & Cryptography Discrete Mathematics

Activities

Member, (IEEE), 2015 – present
Member, (NY Tech Meetup), 2012 – 2018