Stephen W. McArdle

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Summary

Adaptable, motivated, and responsible Software Developer with a Bachelor of Science in Computer Science from a renowned technical university. Experience in web development, data science, research, and algorithm design, with advanced skillsets in NodeJS, C#, Python, and both SQL and NoSQL databases.

Technical Experience

Software Engineer — June 2018 - Present
Everest RE — Liberty Corner, NJ

Developing full-stack C# .NET applications and REST APIs in an agile environment. Working with Microsoft Azure to build cloud applications. Creating automation/integration applications to increase business efficiency. Applying working business knowledge of the reinsurance industry.

Web Developer — August 2018 - December 2018
HALE Sports — Hoboken, NJ

Utilized HTML5, CSS3/Bootstrap, and JavaScript to enhance the UI/UX of the HALE Sports website. Expanded a Python/Django server hosted on Digital Ocean. Created the online registration process for new clients.

Full-Stack Developer — October 2017 - May 2018
Turbo 360 — New York, NY

Produced reusable serverless functions and built MERN stack applications to expand the Turbo 360 platform. Assisted new and experienced developers to become accustomed to programming in the Turbo environment by creating tutorials and workshops.

Research Assistant — May 2017 - August 2017
Epidemic Disease Simulator — Hoboken, NJ

Programmed a simulator designed to track the spread of epidemic diseases with NodeJS. Based on a simulator written in C++, efficiently leveraging the application required many optimizations of JavaScript code and classes, resulting in up to an 80% decrease in run-time.

Full-Stack Developer — September 2017 - May 2018
Senior Design Marketplace — Hoboken, NJ

Created a system to revolutionize Senior Design courses at Stevens Institute of Technology. The system expedites and simplifies the Senior Design process and promotes cross-discipline projects. Utilized Scrum along with Node, MongoDB, and Mustache/Hogan templating.

Lead Developer — May 2015 - May 2018
DCinbox — Hoboken, NJ

Lead engineer and developer on the DCInbox project. Maintained over 100,000 e-newsletters sent from every member of Congress. Processed email data using Python, R, and 3rd-party APIs. Created network graphs with Gephi. Presented research at the 2017 SPSA Conference in New Orleans, LA. Created the DCinbox website with a Node/Express server backed by ElasticSearch/Kibana.

Skills

Coding: JavaScript, React/Redux, Python, C#, SQL, Java, C/C++, HTML5, CSS3
Technologies: NodeJS/Express, MongoDB, Redis, Linux, Git, AWS, Azure, Microsoft Office

Honors & Activities

Upsilon Pi Epsilon - International Computer Science Honor Society - Inducted May 2016
Dean's List - Achieved every semester while attending Stevens
Stevens Scholars Program - Admitted based on academic performance
Phi Sigma Kappa Fraternity - Scholarship Chair Fall 2016 & Spring 2017

Education

Stevens Institute of Technology, B.S., Computer Science, May 2018   GPA: 3.64 / 4.00
Minor: Science, Technology, & Society