JON JANELLE

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Skills Summary

- Server side development in .NET Core, .NET Framework, Spring Boot, Laravel, and Ruby on Rails

- Front-end development with React, Angular, jQuery, Handlebars, SASS, HTML5, and CSS3

- Design and implementation of both SQL and document-based database systems

- Statical analysis and visualization with R and Python

- Skilled with both objected-oriented and functional software design pattterns

- Strong mathematical and problem solving skills

Work Experience

Tyler Technologies, Yarmouth, ME   *06/2018 – Present*
Software Engineer

- Applying object-oriented design patterns to create microservice applications and APIs using .NET Core and .NET Framework in C#
- Developing responsive and accessible UI applications with Angular
- Designing and implementing databases using SQL Server and T-SQL
- Creating integrations to connect enterprise-scale municipal management applications
- Commicating with clients and stakeholders to troubleshoot issues and to determine feature requirements

Nextgengolf, Boston, MA   *06/2017 – 06/2018*
Software Engineer

- Developed web applications with Ruby on Rails, PostgreSQL, Redis, NGINX, and Ansible
- Created front-end applications with React, Angular, Handlebars, JQuery, and SASS
- Analyzed and visualized team, player, and league performance data
- Lead the design and creation of a golf lesson booking and payment processing platform

Central Catholic High School, Lawrence, MA   *09/2014 – 06/2017*
Computer Science and Mathematics Teacher

- Designed and taught AP Computer Science in Java, Python, and Calculus
- Coached competative computer science and mathematics teams

The University of Maine, Orono, ME   *08/2012 – 08/2014*
Assistant Director of University of Maine RiSE Center

- Statistically analyzed educational program data using R and Python to support grant applications for STEM education research and instruction
- Presented at middle and high school mathematics and science teacher education conferences

Formal Education

Harvard University Extension School, Cambridge, MA   **Graduate Certificate**

Concentration: Computer Programming
Relevant Coursework: Computer Science Using Java I & II, Data Structures and Algorithms, Software Testing, Web Application Development, Graph Theory, Vector Mathematics, Database Systems

University of Maine, Orono, ME   **M.S.T.**
Concentration: Mathematics Education Research
Relevant Coursework: Statistical Programming, Multivariate Statistics, Bayesian Statistics, Mathematical Statistics I & II, Statistical Methods in Research, Nonparametric Statistics, Partial Differential Equations, Topology

University of Maine, Orono, ME   **B.S.**
Major: Mathematics Education
Relevant Coursework: Computer Science I & II with C++, Data Structures, Microcomputer Architecture, x86 Assembly Programming, Digital Logic and VHDL Design, Unix System Administration, Statistical Process Control, Calculus I-III, Abstract Algebra, Real Analysis, Discrete Mathematics, Differential Equations, Linear Algebra