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Summary

Skillful problem solver with a background in mathematics and a passion for functional programming. Currently pursuing a doctorate degree at the intersection of statistics and computer science. 5+ years experience in software engineering. Proven ability to quickly ramp up on new languages and technologies.

Education

University of Washington

Sep 2019 - Present

Ph.D. IN STATISTICS

Seattle, WA

Gambier, OH

Kenyon College Sep 2009 - May 2013

B.A. IN MATHEMATICS AND SCIENTIFIC COMPUTING

· Awarded Distinction on Senior Thesis

· Achieved GPA of 3.91

Experience.

Software Engineer Dec 2018 - Sep 2019

SIMSPACE CORPORATION Remote

• Created a realistic network simulation product for cyber security training.

- · Leveraged advanced type system features to achieve a high level of code safety.
- · Languages: Haskell, SQL.

Aug 2017 - Sep 2019

Full Stack Developer

WRINKL Remote

• Developed a websocket-driven chat application, supporting web, iOS, and Android apps. · Languages: Haskell, SQL, Nix.

Applications Engineer May 2014 - Feb 2017 **BLUE ACORN** Charleston, SC

• Developed reusable modules in an object oriented MVC eCommerce framework.

- Founded an educational Functional Programming group with weekly meetups.
- · Led an agile team and mentored junior developers.
- · Languages: PHP, Javascript, Bash.

Skills

• Agile experience in both scrum and kanban, along with Jira, Pivotal, Workfront, and ZenHub.

Development

- Experience leading an agile team and mentoring junior developers.
- · Experience with direct client interactions and discussing complex details with nontechnical stakeholders.

Languages

- Fluent in Haskell, Python, PHP, Javascript.
- Experience with Bash, C, C++.
- Frameworks: Yesod, Snap, Reflex-Platform, Express, Django, Magento, Zend.

Software

- · Databases: Postgres, MySQL.
- Devops: Docker, Kubernetes, Ansible.

Workflow

- · Proficient in Linux and MacOS.
- Enjoy maximizing productivity with development tools such as vim, tmux, xmonad, and zsh.

Publications

Pattern Avoidance in Ternary Trees

Journal of Integer Sequences

Dec 2011

NATHAN GABRIEL, KATHERINE PESKE, LARA PUDWELL, AND SAMUEL TAY

http://arxiv.org/abs/1110.2225