David R. Orr
Software Engineer

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EXPERIENCE

Petuum, Pittsburgh, PA

Tech Lead Manager	March 2019 - Current
Senior Software Engineer & Tech Lead	July 2018 - February 2019
Software Engineer	August 2017 - June 2018

- Manage a team of 7 engineers
- Lead optimization efforts for our platform's data cleaning tools, achieving a 48x increase in max data size (so far)
- Designed and led development of the workflow API, which allows users to build data cleaning and machine learning workflows and execute them as Apache Spark programs
- Consulted with developers across teams to help find bugs due to broad knowledge of our platform and stack
- Mentored junior developers in software engineering best practices
- Deployed and maintained repository and build tooling for several teams

Bizowie, Pittsburgh, PA

Chief Technology Officer	August 2015 - April 2017
Software Engineer	October 2013 - July 2015

- Helped grow the company from 3 to 6 employees and from 6 to over 40 clients
- Built functionality for many areas of business, e.g. accounting, order entry, and inventory control
- Reviewed other developers' code, enforced code standards, and identified and fixed bugs
- Maintained a technical roadmap to anticipate and prevent problems due to product growth
- Provided support and instruction to our clients via phone, email, and Zendesk
- Investigated and resolved time-critical production incidents to maintain our uptime requirements

PHD Virtual Technologies, Morris Plains, NJ

Software Developer Intern	May 2013 - August 2013

Built the backup scheduling system for the next version of PHD's core product, Virtual Backup; built GUI tools for configuring network interfaces and scheduling recurring backups.

Grant Street Group, Pittsburgh, PA

Software Developer Intern	May 2012 - March 2013

Wrote and maintained API wrappers in multiple languages for a "plain English" automated testing platform and built infrastructure for collaborating on tests and projects.

EDUCATION

Carnegie Mellon University, Pittsburgh, PA

Bachelor of Science in Computer Science	May 2014

SKILLS

Languages Python, Perl, bash, Java, Go, C, regular expressions, MySQL
Tools vim, git, Linux, Docker, Kubernetes, GitLab, nginx, Amazon EC2

INTERESTS

Karate, rock climbing, snowboarding, video games (PC & Switch)