Nathaniel Schultz

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Experience

Bloomberg LP   PRINCETON, NJ & PHILADELPHIA, PA (REMOTE)

Acquisition Tech Lead   *Dec '19 – Present*

I was selected as one of the initial members of this team and gained ownership of implementing the team's technical projects. I developed a prototype to display web crawler configuration information in a web UI. This prototype iterated to use the Bloomberg UI framework and is budgeted to move to prod in 2021. Other projects include a headline generator service for CF and our teams BRE ruleset comprising over 70 rules.

As a point of contact for web crawler expertise, I am successful at managing my BBOT SDSK queue, resolving vendor questions, and performing quality control checks. I conduct bi-annual web crawler training sessions for our incoming co-ops and serve as an initial point of contact for their questions.

Data Engineer   *Jun '19 – Dec '19*

In this role I contributed to several projects, managed our team's web crawler queue and oversaw our team's co-op. I volunteered to gain expertise in GDW, which is a configurable screen interface that was lacking talented users.

I lead a project with three co-ops during this period to migrate the manual Jira access queue into PVF. This wasn't initially planned for our team: I suggested we take ownership of it to reduce the project cost by leveraging the co-ops for data entry.

Data Engineer Co-Op   *Apr '18 – Sept '18*

As the only co-op at the firm during this period, I was able to gain expertise in each tech stack component. My contributions during this period include web crawler configurations, microservice development, Jira workflow configuration, and productivity data EDA. I enjoyed hosting office activities like chess tournaments and weekly trivia.

Please refer to my Linkedin profile for the complete list of work experiences along with recommendations.

Education

Drexel University   PHILADELPHIA, PA

Bachelor of Science in Computer Science   *2015 – 2019*

Focused on computational mathematics and artificial intelligence / machine learning. During this time I was employed at startups, participated in hackathons, and held membership in industry specific clubs. I've curated a diverse portfolio of programming projects including IoT, full stack mobile and web apps (hybrid and native), data analysis / big data, and web crawlers.

Skills

Leadership: Establishing relationships with engineering groups, business stakeholders, and peers. Solid communication and presentation skillset. Intern management and hiring experience. Skilled in vendor management and productivity data analysis.

Technical: Software design, workflow design, and data pipeline design. I work regularly with Python, Javascript, and Lua. Solid knowledge of web technologies and best practices relating to web crawling. Recent web development experience with React-Redux, Flask, SQL Alchemy, and PostgreSQL. CI experience with Docker and Docker-Compose. Data analysis experience in Python using Jupyter, Pandas, and Matplotlib.

Mathematics: Applied optimization theory to solve industrial design problems. Studied abstract algebra, analysis, statistics, and nonlinear algebra (*among other topics*).

Interests

Non-exhaustive and in alphabetical order: Buddhism, chess, go (*baduk*), mathematics, open source, philosophy, reading, Rubik's cubes, software engineering, tattoos, vegetarian cooking, volunteering, and woodcarving.