

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 team's 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.