

EXPERIENCE

Discz | *Backend Engineer* | NYC, NY

July 2023 - present

Meta Inc | *Software Development Engineer Intern* | Menlo Park, CA

May 2022 - August 2022

- Redesigned unit of Facebook Marketplace's mobile home feed and launched A/B experiment on the redesign to end users in production (React Native, Hack, GraphQL, Flow). Saw 20% increase in user click through rate in unit.
- Improved ML-based infrastructure retrieval by creating a retrieval flow model with constant rather than variable calls, reducing network costs for loading the unit. Load times reduced significantly, nearly 50%.
- Implemented and iterated on content/production designs for the unit, including support for various touch actions to create parity with similar units across the Facebook platform.

Amazon Inc | *Software Development Engineer Intern* | Seattle, WA

May 2021 - August 2021

- Developed an internal dashboard for merchants using [Amazon One](#) palm reader devices. The dashboard displayed device health, data, and integrated CloudWatch alarms and logs (React, Java, DynamoDB, CloudWatch, S3, XML).
- Implemented novel page for merchants to remotely boot a single device or batch of devices.
- Feature owner for the dashboard, resolved incoming issue/feature tickets from Amazon One teams, quality assurance teams, and external merchants. Testimonials from 3rd party merchants that the new dashboard significantly improved their experience with launching and debugging active devices.
- Hosted design reviews, gave iterative demos during standup meetings, and coordinated with my team of 10 to improve the dashboard and add new features.

Penn Labs | *Frontend Engineer* | Philadelphia, PA

February 2021 - Present

- Developing an administrative dashboard on [Penn Clubs](#) for University of Pennsylvania staff to manage extracurricular club eligibility and renewal requests (React, Typescript, Jest, Bulma).
- Gather and complete feature requests from stakeholders including university administration, club leaders, and the student body.

EDUCATION

University of Pennsylvania | *Bachelor of Science in Engineering* | Philadelphia, PA

August 2019 - May 2023

Major: Computer and Information Science | **GPA:** 3.82 / 4.0

Relevant Coursework: Algorithms & Data Structures, Discrete Mathematics, Multivariable Calculus, Linear Algebra, Probability, Automata Computation & Complexity, Scalable & Cloud Computing, Computer Operating Systems, Interactive Computer Graphics, Compilers & Interpreters, Software Design, Databases, Internet & Web Systems, and Stochastic Systems & Analysis., Applied Machine Learning, Computer Organization and Design, Software Systems

TECHNICAL SKILLS

Languages: Java (7+ years, highly proficient), Javascript (8+ years, highly proficient), Python (8+ years, highly proficient), C (3 years, proficient), C++ (3 years, proficient), OCaml (4 years, proficient), HTML (8+ years, highly proficient), CSS (8+ years, highly proficient), Hack (<1 year, limited proficiency), Typescript (4+ years, highly proficient), SQL (1+ years, proficient), GraphQL (<1 year, limited proficiency) SASS (2 years, proficient), PHP (2 year, proficient)

Frameworks & Libraries: React (6+ years, highly proficient), Node.js (6+ years, highly proficient), Express.js (4+ years, highly proficient), Jest (2 years, proficient), MongoDB (3 years, proficient), Mockito (1 year, limited proficiency), AWS (4+ years, proficient), Kubernetes (1+ year, proficient), Docker (1+ years, proficient), Git (8+ years, highly proficient), Next.js (2+ years, proficient), Apache Hadoop (1 year, limited proficiency), Pytorch (1 year, limited proficiency), Bash & Zsh (8+ years, highly proficient) Tailwind (2 years, proficient), Svelte (1 year, limited proficiency), .NET (2 years, proficient)

LEADERSHIP

Mask & Wig, *Band Leader* | Philadelphia, PA

June 2022 - Present

- Schedule and lead all band rehearsals for Mask and Wig (musical comedy group at the University of Pennsylvania) Fall and Spring shows.
- Coordinate with external venues, university administration, and greek life organizations to plan band performances.
- Advertise to prospective band members and run the audition process.
- Manage the band's financials and maintain inventory of audio/instrument equipment.

ADDITIONAL SKILLS & INTERESTS

Languages: German, verbally fluent with writing and reading proficiency. Swiss citizen, capable/willing to relocate there for work.

Interests: Guitar, Electric Bass, Music Production