Derzan Chiang

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EXPERIENCE

Naval Surface Warfare Center (Crane)   May 2024 - Aug 2024
Software Engineering Intern | Crane, IN
- Worked on the Ground Based Air Defense (GBAD) software integration and support team
- Supported the efforts of the Marine Air Defense Integrated System (MADIS) project
- Applied cyber hardening techniques, enhancing the security posture of the system across various components, including networking and system infrastructure.
- Executed system-wide testing, identifying and resolving critical issues to improve overall performance and reliability.
- Deployed on-site, working directly with teams to integrate and validate systems in a real-world environment.

AT&T (Contracted by Tech Mahindra)   Nov 2022 - June 2023
Software Engineer | Plano, TX
- Collaborated with team members to migrate large amounts of data from legacy systems to Snowflake DB hosted on Azure
- Monitored a data loading system that processes an average of 80,000 files per day, totaling 30+ GB of information per day, using both Power BI and Grafana
- Developed real-time dashboards and visualizations using advanced features of Grafana, offering valuable insights into system performance, identifying potential bottlenecks and areas for optimization
- Utilized Power BI and Grafana to develop custom dashboards and visualizations that provided real-time insights into system performance, data quality, and migration progress

Galvanize Inc   Sep 2022 - Nov 2022
Software Engineering Immersive Resident | US Remote
- Mentored software engineering students to enhance their programming comprehension and skills
- Conducted regular office hours to provide students with guidance and accountability in their coursework
- Analyzed and debugged code in unfamiliar environments, demonstrating an aptitude for problem-solving and troubleshooting

PROJECTS

Lichess Puzzle Discord Bot | GitHub Link   April 2022 - Present
- Developed and deployed a TypeScript Discord bot that delivers daily chess puzzles to 3500+ users in 15+ channels
- Built custom scheduling functionality for personalized delivery
- Implemented real-time error logging and monitoring with Sentry.io for improved reliability
- Configured Dockerfile for seamless deployment to cloud service Fly.io
- Ensured bot's uptime and stability through regular monitoring and troubleshooting

EDUCATION

Cleveland State University, Cleveland, OH   Expected Graduation: May 2026
Bachelor of Science, Computer Science

Hack Reactor | Advanced Software Engineering Immersive, US Remote   2022
- Immersive software engineering program with 1000+ hours of software development
- Full-Stack AGILE development with JavaScript, React, Express, PostgreSQL, MongoDB, and MySQL

TECHNICAL SKILLS

Programming Languages: Python, Typescript, Javascript, Java
Web Development: Node.js, React, Express, HTML/CSS
Databases: Snowflake, PostgreSQL, MySQL, MongoDB
Tools: Git, GitHub, Grafana, AWS, Azure, Docker, GitHub Actions, Webpack, Babel, Jest, PowerBI, Postman, VMware