Alexis Olmos

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Education

Grinnell College	*Bachelor of Arts* in Computer Science, Economics
Major GPA: **3.9 / 4.00**	Graduation: May 2023

Organizations/Awards: ColorStack**,** Questbridge Match Scholarship Recipient
Courses: Algorithms and Data Structures, Object-Oriented Programming, Analysis of Algorithms, Software Design & Development, Operating Systems & Parallel Algorithms

Technical Skills

Front End | React, NextJS, Javascript, TypeScript, NodeJS, CSS, styled-components
Back End | Python, Golang, Java, C, C++, SQL
Testing/Deployment| Jest, Mocha, Terraform, JUnit
Developer Tools| Git, npm, Agile Methodology, TDD

Experience

Full-Stack Developer, *Northern Trust*   *July 2023 -- Present*
- Continuous development of a headless, server-side rendered React application for a high-traffic public website, enhancing user experience and accessibility
- Contributed to the architecture and transition of CMS content and functionality, optimizing system performance and scalability under evolving business requirements
- Led the transition from BitBucket to GitHub, developing and maintaining CI/CD pipelines to automate build, test, and deployment processes.
- Implemented workflow automation, improving development speed, consistency, and reliability.

Research Developer, *Grinnell College*   *August 2022 -- May 2023*
- Assisting with data analysis, visualizations, and statistical techniques in R and Python
- Designing a PDF download feature that converts student surveys into clean PDF format for over 300 student submissions

Developer, *Grinnell AppDev*   *January 2020 -- May 2023*
- Enhanced user experience by implementing innovative UX features while simultaneously maintaining and optimizing legacy code for improved stability and performance.
- Designed and deployed a specialized database to manage project resource information, effectively streamlining resource allocation and project planning.

Summer Analyst, *JPMorgan Chase & Co.*   *June 2022 -- August 2022*
- Preparing and presenting periodic portfolio reviews to senior credit executives and business partners
- Staying current on all aspects of the assigned credit portfolio, including industry trends, portfolio performance, compliance with covenants, potential risks, and opportunities

Advisee*, Microsoft Technical Resilience Program*   *March 2022 -- May 2022*
- Reviewed and proposed strategies for overcoming obstacles, navigating conflict, and creating inclusive environments in tech
- Learned strategic problem-solving abilities to plan, iteratively test, evaluate, and refine work applicable to both group and individual projects

Projects

Insider Trading Detection Tool, Java
- Creating a feature to calculate the profitability for a given CEO/"insider" by processing over 50,000 trades parsed from SEC filings
- Implementing a modified PageRank algorithm to identify clusters of buying and selling activity

Peer-to-Peer Chat
- Built a chat program that allows users to exchange messages between computers over a network using C Socket API and concurrent programming

GPU Sudoku Solver
- Implemented a parallel program that can solve many sudoku puzzles simultaneously using GPU by utilizing CUDA and C