Don Truong

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SUMMARY

Software Engineer with hands-on experience designing and developing innovative fullstack software solutions from initial concept to deployment. Motivated self-starter focused on leveraging the latest technologies, methodologies, and frameworks to bring new user-focused solutions to life while increasing performance, reliability, and stability at scale.

SKILLS

- **Engineering:** Fullstack Development, Frontend & UI/UX, Backend & Infrastructure, Compiler, Cloud Architecture, API Design, RESTful Web Services, Testing & Code Coverage, Scalability, Performance, Reliability, Automation, Accessibility, Code Reviews, Documentation
- **Leadership:** Strategic Planning & Execution, Project Management, Process Improvement
- **Tech:** C++, Java, Typescript, Javascript, Vue, Node, React, Redux, Python, MySQL, PostgresQL, PHP, HTML/CSS, Swift, Firebase, Docker, Git, AWS

EDUCATION

- **Bachelor of Science in Computer Science with Honors - GPA: 4.0, Michigan State University**
  - **Relevant Coursework:** Data Structures & Algorithms, Web Development, iOS Development, Operating Systems, OOP in C++, Computer Network, Intro to AI, Computer Architecture
  - **Awards:** Presidential Study Abroad Scholarship, International Tuition Grant, #YouAreWelcomeHere Scholarship, Dean's List

RELEVANT EXPERIENCE

Software Engineering Intern, Salesforce   June 2024 - August 2024

- Drove the integration of vector embeddings to allow for the efficient filtering of unstructured data, such as thousands of customer reviews, based on user inputs in Data Cloud using Spark, Java, and Spring Boot with a 15-person team.
- Enabled the efficient processing of 263,000+ data-intensive computations for 12,000+ global corporate accounts each day by implementing a cross-join operation within a customizable SQL solution.

Software Engineering Intern, Salesforce   May 2023 - August 2023

- Eliminated a 30-minute waiting period for QA team service integrations by implementing a QA page from scratch to provide a single-click solution for all team service integrations across the organization using Java, Javascript, and HTML.
- Collaborated with an 8-person Scrum team to build and roll out a next-gen, all-in-one small business marketing and campaign management platform for the Salesforce Core application using Java, Spring Boot, Javascript, and HTML.
- Update the default language of the workspace from hardcoded to org language to increase accessibility.
- Performed bug fixes to resolve critical platform errors and conducted regular code cleanups to optimize the code base.

Research Assistant/Programmer, Michigan State University   October 2022 - May 2024

- Designed and developed the USDA Directory Bulk Update System, a user-friendly spreadsheet tool with built-in map/search functionalities and analytics that has enabled 3 state associations to efficiently manage multiple listings, perform bulk editing, customize websites, and conduct API sharing with a 3-person team using Vue 3, TypeScript, PHP, and MySQL.
- Researched the ability of AI to optimize data collection for academic uses and enhance data accuracy/efficiency and created a Python crawler to collect and process farmers' market information from websites and PDF files using Open AI API.

Software Engineer Intern, Holistics   May 2022 - September 2022

- Developed new conditional expression and string interpolation features for the AML data analytics programming language to increase flexibility and handle complex logic required for data processing tasks.
- Created AML Playground, an online editor for testing, learning, and demonstrating the AML language using Typescript.
- Reduced the crawling process time of an internal VS code extension from 10 seconds to less than 1 second by leading the integration of ripgrep in collaboration with a 4-person team.

SELECT PROJECTS

Open Energy Dashboard

- Performed security testing of an open-source dashboard used to track energy usage by writing Bash scripts simulating DDoS attacks and applying a rate limit to prevent future potential attacks using React, Redux, and Typescript.
- Developed enhancements to the exporting data usage view to optimize the overall user experience.
- Expanded the database and developed new API routes to support over 30 different resource types using PostgreSQL and Javascript and led the development of a script to automatically migrate user databases to new product versions.

Barter, Sparta Hack

- Developed and implemented Barter, an exchanging items website that prioritizes and encourages users to trade and reuse products as part of a 36-hour hackathon using HTML, Javascript, and CSS, winning the Best Use of Google Cloud Award out of 20 teams and 80+ different participants.