

Huy Tran

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Technical Skills

Languages: Java, Python, JavaScript, TypeScript, HTML/CSS, SQL, GraphQL

Frameworks/Libraries: React, Node.js, Express.js, Next.js, Tailwind CSS, Spring Framework, Project Reactor

Developer Tools: Git, GitHub, Docker, Jira, Confluence

Education

University of California, Berkeley

Berkeley, CA

Bachelor of Arts in Computer Science, Minor in Data Science (GPA: 4.0)

Expected May 2024

Relevant Courses: Data Structures, Efficient Algorithms, Database Systems, Software Engineering, Principles and Techniques of Data Science

Experience

Atlassian

Mountain View, CA

Full Stack Software Engineer

May 2022 – August 2022

- Assisted the Confluence Collaboration team with the development of a notifications microservice
- Facilitated the querying of user email settings by designing a reactive REST API with Spring and Reactor
- Optimized DynamoDB schema for user preferences by analyzing access patterns in the Confluence Monolith
- Improved user interface in Confluence by modernizing the email settings page with React and TypeScript
- Engaged in Agile Software Development by contributing to daily stand-ups and Scrum sprints

Student Technology Services

Berkeley, CA

Student Technology Consultant

January 2022 – Present

- Provide Tier-1 technical support to all UC Berkeley students through in-person and on-call phone service
- Resolved over 60 ServiceNow tickets by troubleshooting network, hardware, and software issues
- Assist residents of University Village in Albany with network incidents by providing in-room appointments
- Promote technology resources and services provided by the University to UC Berkeley students

Projects

Upsilon Pi Epsilon Blog | *Next.js, React, Express.js, Tailwind CSS, GraphQL, MongoDB*

t.ly/N-nC

- Managed creation of a full stack web application for UC Berkeley UPE members to read and write blog posts
- Streamlined software development by building a CI/CD pipeline with GitHub Actions and Docker
- Developed a GraphQL API with Express.js that saves blogs and user-generated content to MongoDB
- Promoted user retention by designing an attractive and intuitive user interface with React
- Oversaw frontend and backend software teams during development of a reaction service

Pokémon Recommender | *Python, NumPy, Pandas, Sci-kit Learn, Seaborn*

t.ly/L_xn

- Developed a system that recommends similar Pokémon based on input of a user's favorite Pokémon
- Facilitated exploratory data analysis by cleaning and transforming data from PokéAPI using Pandas
- Improved recommendations by applying K-Nearest Neighbors and Cosine Similarity with Sci-kit Learn
- Organized discoveries by recording and analyzing results in a Jupyter Notebook

Gitlet | *Java*

t.ly/uyu_

- Created a lightweight version control system with common Git features (e.g. commit, checkout, merge)
- Improved traversal through commit objects by structuring the commit history as a directed acyclic graph
- Optimized detection of repository changes by integrating the SHA-1 hash function to encode file content
- Validated correctness of the project by performing Test-Driven Development with unit tests