

Huy Bui

765-607-0684 | bui13@purdue.edu | [linkedin.com/in/huybui13](https://www.linkedin.com/in/huybui13) | github.com/huybui13

EDUCATION

Purdue University

Bachelor of Science in Computer Science

May 2024

West Lafayette, IN

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS, R, Scala, Go

Developer Tools and Frameworks: Git, Docker, AWS S3, Google Cloud Platform, Postman, Jupyter Notebook, Hadoop, Spark, npm, React, Node.js, SpringBoot, JUnit, Express.js, REST API, Numpy, Pandas

EXPERIENCE

Triple Lift

June 2022 – August 2022

Software Engineer Intern - Connections

New York, NY

- Enhanced performance tuning of Rules API realizing an increase of 5% in SLA time, and increasing test coverage from 60% to 80% for improved stability
- Optimized a GraphQL endpoint by implementing query caching using Redis, refining queries and compressing API responses, reducing data fetching latency by 50%
- Built a visualization dashboard in Next.js and TailwindCSS that integrates with Rules API, empowered 200+ engineers to automate rules deployment on ads setting, resulting in a saving time of 40%
- Enhanced data pipeline efficiency by upgrading Python scripts with threading and parallelization, enabling faster data collection from multiple APIs into a data lake

Pebblst

January 2022 – May 2022

Software Engineer Intern

West Lafayette, IN

- Developed Pebblst website using JavaScript, CSS, Bootstrap, an e-commerce platform that incorporates a personalized gift recommendations system using content-based model algorithms and data analysis
- Scaled a REST API endpoint transferring data to an AWS S3 Bucket from handling 500 daily requests up to 100 requests per minute by internship end
- Constructed an AWS Lambda function in Python that processes 10,000+ user profiles weekly to generate personalized recommendations, resulting in 23% more item selections per session

Purdue IT Lab

July 2023 – April 2024

Purdue IT Software Developer

West Lafayette, IN

- Diagnosed and resolved hardware and software challenges at Purdue IT lab, identifying root causes, and implemented effective solutions up to an average of 30 issues per week, ensuring minimal downtime
- Streamlined the IT support tickets escalation using ticketing systems, ensuring timely resolution and meeting service level agreements, reducing resolution time by 25% and elevating customer satisfaction

PROJECTS

TuringGame.ai | Next.js, TailwindCSS, API, Firebase, Google Cloud Platform

- Created a game-based web application that tests players' ability to differentiate between human and machine-generated responses, while raising AI awareness and providing a testing environment for developers
- Programmed front-end pages in Next.js 13 and TailwindCSS, integrated OpenAI API for real-time features
- Deployed serverless backend with Firebase Cloud Functions and Firebase Firestore

Boil-it-up | MongoDB, Express.js, React, Node.js, Git

- Led a team of 5 students through 3 Agile iterations of development to build a platform where students can share their recipes, search for recipes based on the available ingredients, do groceries and dietary planners
- Collaborated with teammates to conduct design documentation and build a user interface with 20 React components, and write over 100 unit tests that achieved 80% code coverage
- Developed back-end server and API endpoints with Express.js and Node.js, connecting to MongoDB database

Split news | Svelte, Java, SpringBoot, PostgreSQL, Google Cloud Platform, Git

- Built a web platform that scrapes news articles off the web, categorizing them into a political spectrum of Democrat or Republican, and combating misinformation on the internet
- Designed user interface utilizing Svelte, and built handling data management backend in Java and SpringBoot
- Hosted PostgreSQL database server in Google Cloud SQL that fetches data from Google News API