Chase Rensberger

chasehrensberger@gmail.com • (202) 258-2262 • Reston, VA • github.com/chaserensberger

Experience

June 2023 - Present
Software Engineer, BlueHalo

- Worked on a data pipeline for scraping and transferring public data to secure environments

- Developed an Angular and Express web application that leverages complex AWS infrastructure to provide a responsive and mission-critical product to government customers

- Lead initiatives of multiple engineers to deliver key features and address technical debt

- Collaborated with UI/UX engineers to deliver an accessible and modern experience

January 2023 - June 2023
Software Engineer (Vehicle Dynamics), Penn State's Advanced Vehicle Team

- Engineered a fully autonomous vehicle from the ground up to win 3rd place in the SAE Autodrive Challenge

- SAE provided our team with a Chevy Bolt in which we installed an on-board compute platform to send CAN messages to the vehicle based on the processing of camera, LiDAR, and GPS information

- Used simultaneous localization and mapping alongside trajectory planning in a Frenet space to evaluate and rank decisions on the fly

May 2022 - September 2022
Software Engineering Intern, BlueHalo

- Worked on a fast-paced agile team responsible for maintaining and adding crucial functionality to a widely used data aggregation and analysis tool

- Contributed to a MEAN tech stack to ensure that our customers received a responsive and intuitive UI that leveraged a large amount of data with little to no application downtime

- Involved directly in deployment, unit testing, data handling, and UI development

Education

The Pennsylvania State University
Bachelor of Science in Computer Science, Minor in Mathematics

Skills

- Databases & Data Tools (AWS S3, AWS SNS/SQS, MongoDB, PostgreSQL)
- DevOps (Docker, Terraform, AWS Lambda, AWS CodeBuild/CodePipeline)
- Web Development (NextJS, Angular, Typescript, CSS/Tailwind, GraphQL, tRPC, ExpressJS)
- Computer Science Theory (Advanced Algorithms, Machine Learning, Computability)

Projects

- Balance - A NextJS & Supabase personal finance application using account and transaction linking with Plaid. Can be found at balance.chaserensberger.com
- HackPSU - Used NextJS, NestJS, Google Cloud, and Firebase to build the hackpsu.org front-end alongside the infrastructure to support registration, event scheduling, and project rankings