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Nickolas Eisele

Education

Brown University

Providence, RI • Class of 2020

- Sc.B. Computer Science (GPA: 3.9)

*Relevant Coursework: Software Engineering of Large Systems, Machine Learning, Design and Analysis of Algorithms,
Operating Systems, Deep Learning, Database Management*

Work Experience

Software Engineer (Vistaprint)

Remote 2021 - current

- Programs customer-facing web pages (using Typescript, React, and NodeJS) where users can request different types of design services
- Builds and maintains scalable APIs (traditional and serverless) using C#/.NET
- Developed and worked closely with QA on a document review experience, in which customers receive email notifications to resolve issues with their uploads
- Implemented a session-based 'multiplayer' system using Firebase to allow customer service agents to partner with clients for editing designs

Software Development Engineer Intern (Amazon)

Seattle, WA Summer 2019 and 2020

- Developed a web application (in React) allowing users to easily configure video-streaming capabilities for various devices
- Utilized changed detection methods to improve streaming quality on Android devices based on varying network conditions

Teaching Assistant (Design and Analysis of Algorithms)

Providence, RI 2020

- Assisted in developing lecture plans, held hours to help students with homework, and graded assignments

Undergraduate Research Assistant (Brown's Humans to Robots Laboratory)

Providence, RI 2017 - 2018

- Conducted research on capturing light fields with a MOVO robot and generating synthetic images to display in virtual reality settings
- Used ROS (Robot Operating System) to write scripts for robots to perform actions

Software Projects

Speech-Based Code Editor

- Organized a team of eight people to develop an Eclipse plugin which provides a nearly hands-free development experience by allowing users to write code via voice commands

LangDev

- Collaborated with a group of students to create a Chrome plugin/webapp for language-learning that allows users to translate unfamiliar Chinese characters they come across online and play specialized review games to improve their vocabulary

Mission Control (Brown Space Engineering)

- Worked with a small team to develop a "mission control" app allowing users to track and receive updates about a satellite in orbit

Service Experience

Google IgniteCS

Providence, RI 2017 - 2019

- Volunteered at a local middle school each week to teach students about computer science
- Developed science lesson plans for students which included hands-on coding assignments

Skills

- Programming Languages: Typescript, Java, Python, C, C#
- Technologies: React, NodeJS, SQL, AWS, Kubernetes