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Alex Nakeeb

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Education

Purdue University, BS — Graduation: May 2023

Majors: Computer Science, Data Science, Statistics — GPA: 3.73/4.0

Minors: Mathematics — 4x Dean's List

Work Experience

Software Engineer Intern - Liberty Mutual — May - July 2021

- Researched and presented cost / ease of use implications of summer project's architecture
- Implemented asynchronous RESTful API using Spring Boot
- Managed AWS Redshift data warehouse using CDK and SQL commands
- Version Controlled project with Atlassian products and git to reinforce CI/CD pipeline

Teaching Assistant — July - August 2021

- Introduced incoming Freshman to Java, Github, and Unix environments
- Provided students with lecturing and assistance during labs

Undergraduate Research Assistant — January - April 2021

- Supported Dr. Lin Tan study the emerging topic of automatic program repair
- Collected, cleaned, and presented data using Python and R

Purdue COSINE Tutors — August - April 2021

- Tutor Purdue students in subjects such as Calculus, Numerical Methods, and Discrete Mathematics

Projects

2cents — March 2021

Web page that monitors bank account using Plaid to donate rounded-up change to a charity of the user's choice

- Crafted visuals to improve the user experience using Adobe Cloud Suites
- Produced css animations within website

TRACK - Project Lead — April 2021

Javascript application for teachers to track goals for special needs students

- Designed and implemented NodeJs backend and MongoDB database schemas
- Delegated tasks tailored to team members skillsets

Financial Forecast — April 2020

React application that analyzes stock data with machine learning

- Imported TensorFlow.js to create and train convolutional neural network
- Extracted online stock data API

Relevant Coursework - To Be Completed by May 2021

- Intro to Analysis of Algorithms, Competitive Programming, Systems Programming, Data Structures and Algorithms, Computer Architecture, Programming in C, Object Oriented Programming
- Database Information Systems, Data Mining and Machine Learning, Statistics for Data Science, Intro to Data Science
- Probability, Numerical Methods, Multivariate Calculus, Calculus II, Calculus I, Discrete Math