

Adam Morishita

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EDUCATION

California State University Northridge

March, 2020

Bachelor of Science, Computer Science

Relevant Coursework: Advanced Data Structures & Algorithms, Object Oriented Programming, Discrete Structures, Combinatorial Algorithms, Automata, Database Design, Web Engineering, Mobile Computing

SKILLS

Languages:

- JavaScript, Python, SQL, Java, C++, Bash, HTML/CSS

Frameworks:

- Vue, Express, Flask, Django

Technologies, Databases, and Miscellaneous:

- Node, Git, Docker, Unix, MongoDB, MySQL, SQLite, Microsoft SQL Server, Mongoose, TypeORM, Selenium, Postman, AWS RDS
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EXPERIENCE

Pepperdine University

03/2020 – Present

Web Developer

- Upgraded research initiative's core web service by developing an entirely new platform using Vue.js and integrating a headless content management system that allowed researchers to create dynamic content.
- Created research management toolkit, increasing the speed at which researchers could access, manipulate, and export data using Typescript, Vue.js, Node.js, and Express with a MySQL.
- Saved research teams hundreds of hours by scraping thousands of webpages for sentiment data and converting them into a readily consumed format for specific research use cases

HushHush

08/2019 – 02/2020

Software Developer Intern

- Expanded functionality of client lead tracking software by developing an ASP.NET application and writing T-SQL stored procedures to facilitate organization and filtering of leads
- Collaborated with senior developers in an Agile Software development pipeline and within a shared codebase using Azure DevOps and TFVC

META + LAB

04/2019 – 08/2019

Web Development Intern

- Reduced development time of software project by weeks by writing web scraping scripts to automate data collection using Python and Selenium to crawl tens of thousands of pages and perform data sanitization
 - Developed a REST API and built route necessary routes to serve as part of a state university's faculty profiles web application by using Python, Flask and MySQL
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PROJECTS

Research Analytics Hub

- Developed a web application to service academic researchers by providing public researcher profiles displaying researchers' citations and data visualizations about a researchers' works to provide at glance information and analytics using Vue.js, Flask, D3.js, and MySQL
- Utilized the NLP machine learning model GPT-2 fine-tuned to produce text summarizations for thousands of researchers' academic papers

Mobile Connectivity and Shadow Matching

- Created a mobile application allowing users to examine GNSS positioning accuracy in dense urban areas where tall buildings block direct line-of-site signal to GNSS satellites with Java and the Android API to display which satellites are in view, information about them, and the satellites currently being used to position the users mobile device

Task Tracking Application

- Created task management application allowing users to create and manage tasks with a valid user account and manage their user profiles, information, and avatar.
- Stored persistent data on a remote MongoDB cloud database using JSON web token authentication to ensure valid user requests.
- Wrote an application following TDD principles using Jest for testing