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Hamza Memon

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EXPERIENCE

Software Engineer

Fast Enterprises

Sacramento, CA

Jul 2018-Jan 2020

- Configured scheduled jobs in production, dashboards, reports and dozens of new tax types via VB.NET and SQL for the California Department of Tax and Fee Administration, expected to generate \$50M over 5 years
- Collaborated with the business for gathering requirements, customization and user acceptance testing

Software Developer Intern

New York State Senate

Albany, NY

Sept 2017-Dec 2017

- Converted a travel request procedure from paper to online for the New York State Senate's Employee Self-Service, impacting over 1,500 employees
- Used Java, Spring, PostgreSQL and Google Maps's API to develop a RESTful API to calculate travel reimbursements
- Participated in daily Scrum stand-up meetings to determine functional requirements and demonstrate progress

Computer Science Tutor

Siena College

Loudonville, NY

Sept 2016-May 2018

- Led drop-in group tutoring for introductory computer science courses to strengthen Python and Java skills

Computer Science Classroom/Lab Assistant

Siena College

Loudonville, NY

Sept 2016-May 2018

- Assisted students taking introductory computer science courses in Python and Java with proper completion of lab and lecture materials

Software Developer Intern

New York State Senate

Albany, NY

Sept 2016-Dec 2016

- Remodeled areas of the New York State Senate's Open Legislation website using Angular and CSS, resulting in a better user experience
- Set up unit and integration tests using JUnit, allowing for better tested code, as well as simplified much of the back-end Java code, producing cleaner and more readable code

PROJECTS

ESLint Configuration Checker

- Python script that reads an ESLint configuration file and provides suggestions on parser options, environments and plugins, displays outdated or redundant rules and optional parameters, resulting in a cleaner configuration file

Smash Stats

- Developing a web application utilizing React and CSS to display game data from the Super Smash Bros. series

Text Retrieval System

- Programmed an information retrieval system utilizing Serializable objects, able to index 20,000 files in 15 seconds
- With the integration of the Porter2 stemming algorithm, decreased unique dictionary size by 38.3%
- Performs either a vector space model or a simple Boolean model search in under a second

Porter Stemmer

- Implemented Snowball's Porter2 stemming algorithm in Java, grouping similarly stemmed words
- Uploaded as a Maven artifact to the Central Repository, allowing integration with any Maven project

SKILLS

- Languages: Java, Kotlin, HTML, CSS, JavaScript, jQuery, Typescript, Angular, React, PHP, SQL, Python, Node.js, VB.NET
- Environments: Windows, Linux, Visual Studio, IntelliJ, PyCharm, AWS, Git, Jira, Docker, Kubernetes

EDUCATION

Siena College

Bachelor of Science, Computer Science

Loudonville, NY

May 2018