Jason Gill

Software Engineer Intern

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Education

B.A.Sc. in Computer Science   Sep 2020 – May 2024
Simon Fraser University   Burnaby, Canada
- Relevant Coursework: Data Structures & Algorithms, Operating Systems, Database Systems, Computer Networking, User Interface Design

Professional Experience

Software Engineer Intern   May 2022 – Aug 2022
Ultimate Kronos Group   Toronto, Canada
- Increased customer satisfaction by leading the custom branding project which included front-end development and API endpoint creation
- Decreased page load times by 12.5% by disposing of outdated UI components and replacing them with lightweight in-house Design Language System (DLS) alternatives
- Improved full-stack codebase integrity by achieving 100% class coverage and a minimum of 94% method coverage in all pull requests

Projects

Bijou Budget ⬈
- Developed an intuitive budget-tracking application for users to track recurring monthly expenses, log transactions, and filter them by month, year, and expense
- Implemented basic authentication services
- Key Technologies: ReactJS, Java Spring Boot, MySQL, AWS S3, AWS Elastic Beanstalk, AWS Relational Database Service

Galactic Grease Monkey ⬈
- Team lead on the production of a Java arcade game where I completed crucial tickets regarding collision detection, AI path-finding, object spawning, game states, etc.
- Scheduled and led regular online & in-person meetings to discuss the progression of the project within our 4-person team and to raise any blockers
- Key Technologies: Java, Java Swing, JUnit testing framework, Javadoc

Weather & Traffic App ⬈
- Composed a Python script to send daily SMS notifications regarding weather and traffic data to manage time
- Provides recommendations to the user based on recent weather and traffic data to avoid travelling inconvenience
- Key Technologies: Python, Twilio API, OpenWeatherMap API, TrueWay Directions API, PythonAnywhere

Three Card Poker ⬈
- Built 3-card poker Java CLI application that recognizes all the unique 3-card poker hands, determines the winners of any possible game, and displays the player rankings accordingly
- Designed with highly cohesive classes and validated with automated script testing
- Key Technologies: Java, Python, Javadoc

Personal Website ⬈
- Constructed a website to showcase my portfolio of projects
- Embedded a contact form to increase engagement
- Key Technologies: ReactJS, EmailJS, Github Pages

Skills

Languages & Frameworks:
- Java (Spring Boot), C, C++, Python, Javascript (ReactJS), Typescript (Angular), JUnit, SQL, HTML, SCSS, CSS

Tools & Platforms:
- Git, MySQL, Maven, Postman, Figma, Balsamiq, MATLAB, AWS (Elastic Beanstalk, Cloudfront, S3, Relational Database Service, Route53)