RADMAN AVAKOLI

Computer Science Major (Software Engineering), 3rd Year

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SPECIALIZED SKILLS

- Programming: Java, C++, C, JavaScript, TypeScript, Python, HTML, CSS, C#, R, Assembly
- Tools/Frameworks: Node.js, Express.js, Bootstrap, JUnit, Mocha, Chai, Git, GitHub, Bitbucket
- Other technical: Design principles & patterns, algorithms & data structures, optimization, networking, agile

TECHNICAL PROJECTS

Insight UBC Query Engine (Full-Stack) – *Node.js, Express.js, TypeScript, JavaScript, HTML, CSS*   *Sep-Dec 2021*
- Performed queries about UBC courses and rooms based on a complex EBNF
- Applied REST API design and handled HTTP requests
- Asynchronously loaded, unzipped, read, evaluated, parsed, and wrote datasets using Promises
- Server-side sprints: bootstrapping and TDD, back-end development, refactoring and query aggregation

Shot Tracker – *Java*   *Sep-Dec 2020*
- Web application used to track a basketball player's shooting performance
- Wrote a comprehensive test suite to exercise test-driven development
- Followed single responsibility and robust design
- Loaded and stored data from/into JSON

Portfolio Website – *JavaScript, HTML, CSS, Bootstrap*   *Oct 2022-Present*
- A responsive portfolio website built as a supplement to further introduce myself and to progressively integrate any newly learned front-end tools into it
- Developed with pure CSS originally and later recreated using Bootstrap

Weather-Forecast Application – *JavaScript, HTML, CSS*   *Aug 2022*
- Incorporated OpenWeather API to build a real-time weather application

Flappy Bird – *JavaScript, HTML, CSS*   *Jun 2021*
- Built this entertaining game to polish my front-end development skills
- Utilized DevTools to inspect DOM, debug and edit
- Modified HTML and styled elements through DOM manipulation

EDUCATION

UNIVERSITY OF BRITISH COLUMBIA – *Vancouver, British Columbia*   *Expected May 2024*
- Bachelor of Computer Science (Software Engineering option)
- Relevant coursework: *Software Construction, Intro to Software Engineering, Intermediate Algorithm Design & Analysis, Algorithms & Data Structures, Computer Systems, Internet Computing, Rational Databases, Artificial Intelligence, Applied Machine Learning*

WORK EXPERIENCE

TUTOR – *Mathnasium & Private Tutoring*   *Jun 2018-Present*
- Subjects: computer programming, discrete mathematics, math, physics
- Developed proficient communication skills and gained a profound comprehension of lesson topics to provide a tailored experience
- Professionally communicated with 90+ students, 150+ student guardians, 10+ supervisors and coworkers
- Responsibilities include conducting efficient and suitable lessons based on the client's skill set, customer service, advertisement, answering questions, checking work, and maintaining student engagement

Basketball Referee – *Tri-City Youth Basketball Association*   *Oct 2017-Mar 2019*
- Officiated fair games, interacting with players, coaches, officiating partners, and spectators in a courteous manner, regulated a nurturing environment, and mastered the specific game rules and instructions for each age group to make instantaneous and decisive calls