AVIRAL SAXENA

✉ aviral1231@gmail.com   📞 +1 (236) 788-9773   in aviral-saxena   TheAvi123   🌐 avirals.com

EDUCATION

University of British Columbia   **Sept 2018 – May 2022**
Bachelor of Science in Computer Science   Cumulative GPA: 3.9, Technical GPA: 4.0

Awarded the ***Faculty of Science Student Scholarship*** worth $10,000 for strong scholastic achievement & exceptional engagement.

Attained a sessional standing on the ***Dean's Honor List*** every year to date in recognition of outstanding academic performance.

WORK EXPERIENCE

SAP   **May 2021 – Dec 2021**
Software Developer (iXp) Intern   *Vancouver, BC*
- Driving feature development for core automation services while simultaneously delivering primary support for ancillary tools to ultimately facilitate the end-to-end localization process of various client-facing products.
- Utilizing tools such as **JIRA**, **Git**, **Sonar**, and **Jenkins** to meet tight deadlines while supporting a continuous delivery model.
- Designed and implemented a **Selenium** script in **C#** to regularly monitor publications and notify stakeholders of task failures or unresolved user queries, reducing response times from days or weeks to less than 24 hours.
- Achieved 94% test coverage for highly coupled features by building an integration test suite with **JUnit**, **Mockito** & **Arquillian**.

University of British Columbia   **Jan 2020 – June 2021**
Teaching Assistant (TA) and Scrum Master   *Vancouver, BC*
- Performed TA duties for 4 upper-year computer science and statistics courses to enrich the educational journey for 1200+ students across multiple terms, covering topics such as I/O systems, concurrency, software design, caching, and databases.
- Assisted students with code debugging in **C**, **C++**, **JavaScript**, **TypeScript**, and **x86 Assembly Language**.
- Led recurring meetings as a scrum master for 8 different project groups to bolster the agile workflow.

PROJECTS

TravelGram | *React, CSS, Node, Express, MongoDB, Mongoose, Firebase*   **May 2021 (Ongoing)**
- Designing and implementing a full stack web application which allows users to collaboratively plan & share trips with others.
- Constructing a beautiful, accessible front-end user experience by utilizing **Styled Components** and **Material UI** within **React**.
- Utilizing the **Node.js** runtime environment and **Express** framework to process REST API calls for several CRUD operations.
- Combining **Heroku** with **GitHub Actions** to initiate automatic build deployments on pushes to release branches.

Frequency | *C#, Unity Engine, Android*   **July 2019**
- Built a hyper-casual endless runner using **C#** and the **Unity Engine**, deployed to the **Android** and **Windows** platforms.
- Implemented procedural obstacle generation with object pooling and mesh regeneration to avoid large performance hits.
- Employed statistic tracking, data persistence, and touch detection to create a familiar and engaging player experience.
- Used binary serialization in order to secure sensitive player data and encrypt usage statistics.

Intertext (nwHacks 2020) | *Java, Node, Google Cloud Platform, Twilio API*   **Jan 2020**
- Developed a text-based application built for emergency circumstances, allowing users basic access to the internet without an active wi-fi connection or mobile data to retrieve basic information including weather or directions.
- Employed the **Twilio API** to establish a connection between client device and the host computer through SMS.
- Initially designed and implemented in **Java**, then hosted as **Node.js Lambda Function** on the **Google Cloud Platform**.

LEADERSHIP

Committee Coordinator | *SAP Canada Intern Committee*   **July 2021 – Present**
- Leading a team of 8 event planners and 4 communication specialists to efficiently plan and execute several events in parallel.
- Allocating human resources and funds from multiple budgets to event planners based on the needs of each unique event.
- Directing brainstorming sessions to develop unique ideas and regular meetings to address the concerns of 300+ interns.

SKILLS

Languages: Java, C#, C, C++, Python, JavaScript, TypeScript, HTML, CSS, SQL, Scheme
Frameworks/Libraries: React, Redux, Node, Express, Selenium, Mocha, Chai, .NET, JUnit, Arquillian, Mockito
Tools/Environments/Systems: JIRA, Jenkins, SonarQube, Git, NoSQL, Figma, Trello, Windows, Linux, MacOS