Arunteja Kuchibhatla

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EDUCATION

Carleton University   Ottawa, Ontario
Bachelor of Computer Science Honours | GPA**:** 3.98/4.0   **Anticipated Graduation:** December 2025
Relevant Coursework: Computer Graphics (Ray Tracing, Z-buffer, OpenGL, Offline Rendering, Modeling Primitives, CUDA),
Data Structures (Teaching Assistant), Operating Systems (Threads, Process Control, Memory Management, Virtual Memory)

TECHNICAL SKILLS

Programming: C++, C, Java, TypeScript, Python, JavaScript, SQL, HTML/CSS
Frameworks: OpenGL, CUDA, React.js, Node.js, Mockito, Spring WebFlux,
Tools: Git, MongoDB, Docker, Kubernetes, OpenShift, GitHub Actions, Azure, Postman, VSCode, Jira

PERSONAL PROJECTS

Vibe-ify (Music Player)   **(GitHub Link)**
- Developed a **C++** based music player using the Model-View-Controller (**MVC**) design pattern, allowing users to create and manage playlists across multiple user profiles. Deployed **Valgrind** for memory leak detection and utilized **multithreading** with **pthreads** to enable concurrent audio playback, optimizing both performance and memory utilization.

EXPERIENCE

Royal Bank of Canada (RBC)   **Toronto, Ontario**
Software Engineer Intern - Financial Data Exchange (FDX) Team   May 2024 – August 2024
- Implemented an age verification REST API in **Java** for Konek, **reducing data errors by 25% for over 10 million web clients**.
- Developed a **Spring WebFlux** service to initialize FDX services concurrently, **reducing app startup time by 50% (4s to 2s)**.
- Increased **JUnit** coverage for core services to **100%** using Mockito, **resulting in a 50% reduction in quality assurance time**.
- Tailored self-hosted **GitHub Actions** runners for each FDX service, **improving application CI/CD deployment time by 30%.**
- **Tech Stack**: Java, Spring WebFlux, JUnit, Mockito, OpenShift, GitHub Actions, Jenkins, Postman, Git

Carleton University   **Ottawa, Ontario**
Teaching Assistant for Data Structures and Algorithms in **Java**   September 2022 – April 2024
- Counselled **over 400** students on runtime and space complexities of their programs through regular office hours.
- Facilitated workshops and review sessions to teach data structures through custom practice problems, resulting in **over 150 students getting an A+ grade**.

Royal Bank of Canada (RBC)   **Toronto, Ontario**
Software Engineer Intern - DevOps Engineering Team   May 2023 – December 2023
- Spearheaded development of a DevOps portal's service onboarding system, **achieving a 35% QoQ increase in sign-ups** by using React for the front-end, TypeScript & Node.js for the backend server and **Microsoft Graph API** for **Azure SSO**.
- Built Python ETL pipelines using pandas to clean and transform Entra ID databases, **reducing ETL time by 40% (4s to 2.4s)**.
- Automated CI/CD pipelines using **Jenkins**, **Docker** and **Kubernetes** (OpenShift 4) enabling seamless deployment across multiple environments with zero downtime, **reducing deployment time by 40%**.
- Created developer onboarding workshops for **over 100 newcomer** technical staff, **resulting in a 95% satisfaction rate**.
- **Tech Stack:** Jenkins, Kubernetes, Docker, TypeScript, React, Backstage.io, Python, Node.js, Microsoft Graph API, Git

LEADERSHIP

Squad Tech Lead   **Toronto, Ontario**
RBC Summer Tech Labs   June 2023 – Aug. 2023
- **Selected from over 500 interns** to lead 5 high school developer interns during an intensive 8-week corporate software engineering program. Led 1-on-1 check-ins, pair programming sessions, conducted code reviews using Git & GitHub, and hosted workshops on OOP, TypeScript and SQL, which helped prepare them for university-level computer science courses. As a result, **all 5 interns** received return offers for full-time Software Engineering Internships.