BRIAN VU

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EDUCATION

University of British Columbia   **2021 - 2024 (Expected)**
Bachelor of Computer Science (GPA: 4.20/4.33)

University of Ottawa   **2014 - 2019**
Bachelor of Applied Science, Mechanical Engineering (GPA: 3.94/4.00)
Honors: *Summa cum laude*

EXPERIENCE

Procurify   **Vancouver, BC**
Software Engineer (Co-op)   **Sept 2022 - Aug 2023**

- Mitigated 100% of cache misses for our *Slack* integration by reducing the size of cached data by a **factor of 15**, properly **invalidated the cache** to prevent stale data, and implemented **paginated requests** to resolve *HTTP 429: Too Many Requests* errors for numerous customers
- Enabled our microservice to make requests back to our monolith application by researching and implementing **machine-to-machine authentication** using signed JSON Web Tokens
- Safeguarded sensitive data from being logged to **Amazon EventBridge** by developing a custom personal identifiable information mask using **Terraform** to manage our infrastructure as code
- Developed a webhook handler to sync data with our service, responded with appropriate statuses for retries and acknowledgements, and **refactored existing functions** using dependency injection

WelTel Health   **Vancouver, BC**
Junior Full Stack Developer (Part-time)   **May 2022 - August 2022**

- Enabled health-care SMEs to **annotate 5000+ conversations** related to the COVID-19 pandemic for use in natural language processing by developing scripts and a GUI using **Java** and **Python**

Deloitte   **Toronto, ON**
Consultant   **August 2019 - August 2021**

- Placed first overall (100+ submissions) in a **globally-held** internal *Battle of the Bots* competition by developing an automated financial analysis tool and presenting a business case as part of a small team

SKILLS & VOLUNTEERING

Technical Proficiencies	Java, Python, Next.js, React.js, Typescript, Node.js, CSS, SQL
Tooling	Git, Grafana, Jira, Postman, Terraform
Volunteering	Peer tutor for *Pathways to Education* (2020 - 2021)

PROJECTS

Coffee Chat Copilot   **Hack the North 2023**

Our application transcribes, summarizes, and suggests talking points for your networking conversations. Audio is processed through our **Python** backend, using **Cohere** - check out our Devpost here.

Higher or Lower?

A desktop and mobile-friendly webgame where the user guesses which article of designer clothing is more expensive. Built in **Next.js** using **Tailwind** and **Typescript** - check it out here.