BRIAN VU

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EDUCATION

University of British Columbia **2021 - 2024 (Expected)**
Bachelor of Computer Science (GPA: 4.1/4.3)

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

EXPERIENCE

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

- 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
- Enabled our microservice to make requests back to our monolith application by researching and implementing **machine-to-machine authentication** using signed JSON Web Tokens
- Resolved a bug that **affected numerous customers** experiencing *HTTP 429: Too Many Requests* errors by caching third-party data and properly invalidating the cache to prevent stale data

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

Deloitte **Toronto, ON**
Consultant **June 2021 - August 2021**
Business Analyst **August 2019 - June 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

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.

Synthesia Piano Video Transcriber

A computer vision project developed in **Python** that analyzes piano output from *Synthesia* videos and detects which keys are being played. Read more about it here.