

MAHDI KHANDAKER

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SUMMARY

- Experienced in front end & back end engineering, full stack development and infrastructure
- Proficient in C++, C, Python, JavaScript, C#, SQL, Kendo UI, AWS, Kotlin, Docker, Git

EDUCATION

University of Waterloo

Bachelor of Computer Science Honours Co-op

- President's Scholarship of Distinction

EXPERIENCE

Capco

Toronto, ON

Software Engineering Consultant (Front End Developer)

Sep 2021 – Dec 2021

Developed and optimised applications and services in the fintech industry for millions of users

- Developed front end services with Angular to beautifully fuse with back end for major rebranding
- Participated in agile development projects and develop applications for iOS, Android and Web
- Consulted with business stakeholders to determine project requirements in a fluid environment.

VIAVI Solutions

Ottawa, ON

Software Engineering Intern (Full Stack Developer)

Jan 2021 – Apr 2021

Designed, developed and maintained optical test solutions, in production environments

- Built new features, improved performance as per client specifications with C# , C++ and Python
- Maintained CI/CD pipelines, reducing release times using AWS, Docker, Kubernetes, Jenkins
- Performed product testing, regression, verification and characterization on existing client solutions

Lumentum

Ottawa, ON

Software Engineering Intern (Back End Engineering)

May 2020 – Aug 2020

Built an interactive simulation engine to aid circuit designers build efficient optical amplifiers

- Built the simulation engine from scratch using object oriented Python, NumPy, Pandas
- Automatically simulates optical amplifiers from arbitrary user defined specifications
- Used NumPy when building the physics engine, and calculating signal degradation
- Architected the storage, data integrity, query layer using AWS Athena

CompTrak

Aurora, ON

Software Engineering Intern (Infrastructure)

Sep 2019 – Dec 2019

Developed new features, containerized services, improved scalability of SaaS solution

- Designed and implemented support for uploading privileged data into the compensation system
- Migrated existing products from C# ASP.NET to ASP.NET Core to introduce Unix compatibility
- Containerized migrated applications into Docker containers and deployed them to Azure

JANA Corporation

Aurora, ON

Software Engineering Intern (Full Stack Developer)

Jan 2019 – Apr 2019

Built risk analysis software from scratch that calculates, models and maps pipeline risks

- Developed enterprise level MVC web application C# ASP.NET Core and MS SQL Server
- Built intuitive user interfaces with responsive components using Kendo UI and Bootstrap
- Mapped database schema, defined database hierarchy and implemented it using MS SQL Server