DENZEL KWAN

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WORK EXPERIENCE

Index Exchange
Jan 2018 - Apr 2018

Software Engineering Intern
Kitchener, ON

· Implemented a database health checking endpoint that monitors the connection status using Golang.
· Researched Golang backend frameworks such as Gorilla, Gin, and Echo, comparing them based on monitoring, ease of development and testing, to determine what to use for rebuilding the API.
· Led a vital production investigation, analyzing the risk vs. reward to re-deploy the database containers.

Index Exchange
May 2017 - Aug 2017

Software Engineering Intern
Toronto, ON

· Integrated various partner modules using JavaScript to ensure compatibility for the header bidder.
· Built a regression suite using Intern, reducing testing time by **75%** by eliminating manual testing.
· Led the team as a Scrum Master, improving productivity by triaging tasks and identifying bottlenecks.

Digiflare
Sept 2016 - Dec 2016

Product Owner Intern
Toronto, ON

· Guided the team as an active liaison between our Roku development team and our clients, impacting an estimated **10 million** users after the launch of our CenturyLink and Showtime Over-the-Top apps.
· Fostered trustworthy relationships with senior clients through daily syncing and leading project demos.
· Revamped the team sprint cycle by re-allocating resources to reduce the project timeline by **2 weeks**.

CGI Group
Jan 2016 - Apr 2016

Technical Analyst Intern
Richmond Hill, ON

· Developed front-end components for the client banking web application written in AngularJS.

PROJECTS

Capstone Design Project with Air Canada
2018 - Present

· Formulated optimization models using Linear Programming to distribute flights across dispatchers.
· Collaborated with a professor to write software in Python to automate workload scheduling.

Fedbus Route Expansion Proposal
2018 - Present

· Scraped carpool data off Facebook using Python and NLP to analyze high demand travel destinations.

Sprint Stats
2017

· Built using Flask and JQL to pull data from JIRA to graph and evaluate team performance.

EDUCATION

University of Waterloo
Waterloo, ON

Honours Bachelor of Applied Science in Management Engineering
Graduating Jun 2019

· Statistics Option

TECHNICAL SKILLS

Languages	Python, Java, SQL, JavaScript
Tools	Docker, Git, Flask, Android Studio