

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 to rebuild the API.
- Led a crucial production investigation, analyzing risk vs. reward in re-deploying the database containers.

Index Exchange

May 2017 - Aug 2017

Software Engineering Intern

Toronto, ON

- Integrated varying 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

- Led 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

- Designed the project pipeline using Camunda for CIBC's new banking system, valued at **\$128 million**.
- Developed front-end components for the client banking web application written in AngularJS.

PROJECTS

Fedbus Route Expansion Proposal

2018

- Scraped carpool data off Facebook using Python and NLP to analyze high demand travel destinations.
- Proposal will be made to expand the Fedbus coverage to include these destinations.

Sprint Stats

2017

- Built using Flask and JQL to pull team data from JIRA to graph both team and individual breakdowns.
- Developed while at Index Exchange as a tool to investigate areas of improvement for team performance, tracking metrics such as hours spent vs. hours estimated and correlation between time and story points.

EDUCATION

University of Waterloo

Waterloo, ON

Honours Bachelor of Applied Science in Management Engineering

Graduating Jun 2019

- Pursuing option in Statistics

TECHNICAL SKILLS

Languages

Python, Java, SQL, JavaScript

Tools

Docker, Git, Flask, Android Studio