




CHRIS TAN

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PROJECTS AND PUBLICATIONS

Inkansword

React.js, Serverless, AWS Lambda, DynamoDB, API Gateway, Cognito, S3

- Creating a Serverless framework web application that provides functionality for novel writers.
- Leveraged AWS Cognito User/Identity Pools to store unique users, with DynamoDB storing unique story/note objects.
- Developed REST API microservice-based architecture using Lambda and API Gateway, building CRUD endpoints.

UMigrate

React.js, Django, Ubuntu Linux, PostgreSQL

- Developing full-stack social media and professional networking application for co-op students.
- Spearheaded front-end subteam development by building React application skeleton, email verification with session cookies and user creation.
- Working in a small team and subteam environment, scheduling meetings, going through code review PRs, etc.

Hardstuck.gg

Javascript, Node.js, Express.js, HTML/CSS, Bootstrap

- Developed web application that implements a REST API to analyze data from a video game to create a "resume" of the player's statistics.
- Implemented and ran custom-built data parsing algorithms on the Riot Games API to create custom data structures tailored towards each HTTP endpoint.
- Used Express-handlebars as a view engine to build logic to undergo DOM manipulation.

The Modern Fire of Olympus

Medium

- Researched and wrote an analysis piece exploring popular science and its relative place in the modern age using Prometheus' fire as a primary analogy.
- Recognized by Medium's curators for its quality and advertised on its Media and Science frontpage platforms, receiving hundreds of views.

WORK EXPERIENCE

Software Developer Co-op (Global Payments Technology Team)

Toronto, ON

Scotiabank

January 2020 - Present

- Developed a application using Java Spring Boot that queries IBM H2 wire transaction databases and consumes internal APIs, built upon on a React front-end.
- Implemented inversion of control/DI principles by creating an Spring Boot application that ran MySQL queries and parsed them into .csv files for internal business parties, increasing business analysis productivity by 48%.
- Wrote JUnit tests and acceptance tests using Cucumber testing tool.
- Practiced Scrum best practices by working in an Agile team, participating in daily stand-ups and sprint retros, reviews, etc.

VP Sponsorships

Waterloo, BC

Project Tech Conferences Waterloo

October 2019 - Present

- Led and managed professional relationships between companies involving sponsorships by writing emails and scheduling meetings.
- Acquired monetary and venue sponsorships and facilitated partnerships with Toyota Canada, Qool Media, and University of Waterloo.

SKILLS AND INTERESTS

Languages:

Node.js, JavaScript, Java, C++, Python, HTML, CSS

Frameworks/Technologies:

Git, Github, Bitbucket, React.js, Express.js, Spring Boot, Bootstrap, AWS (Lambda, API Gateway, S3), Serverless

Software:

LaTeX, Microsoft Excel, Sony Vegas Pro

Interests:

Creative Writing, Trombone/piano Playing, Weight Training, Skiing

AWARDS AND SCORES

Canadian Computing Competition Distinction

University of Waterloo

Recognized for placing in the top 25% of all contestants.

March 2019

EDUCATION

University of Waterloo

Waterloo, ON

Candidate for Bachelor of Applied Science - Computer Engineering

Sep 2019 - April 2024

GPA : 3.6+