




CHRIS TAN

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PROJECTS AND PUBLICATIONS

Inkansword (WIP) *React.js, Serverless, AWS Lambda, DynamoDB, API Gateway, Cognito, S3*

- Creating a Serverless framework web application that provides novel writers with the tools to write novels seamlessly and in-browser.
- 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 social media and professional networking/housing application for co-op students with a team of other students.
- Spearheaded front-end subteam development by building React application component skeleton, email verification with session cookies and user creation.
- Designed and implemented advertisement creation and post displays, post-liking functionality, and user list components by working with Python Django API.

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.

WORK EXPERIENCE

Software Developer Co-op (Global Payments Technology Team) *Toronto, ON* *Scotiabank* *January 2020 - Present*

- Developed an 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 by creating an Spring Boot application that ran MySQL queries and parsed them into .csv files for business parties, increasing business analysis productivity by 48%.
- Developed additional internal endpoints in internal API layer to query wire payments with Spring @RestController annotations.
- 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.
- Running online university panelist event amidst Coronavirus lockdown to aid high-school students in transitioning.
- 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+