FRANK XU

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EDUCATION

Candidate HBSc. Computer Science
University of Toronto

📅 Expected Graduation: December 2020

EXPERIENCE

Southpaw Technologies Inc.
Application Engineer Intern

A software solutions company behind TACTIC, an open-source web framework for building digital asset management and workflow management platforms.

📅 May 2018 – August 2019   📍 Toronto, ON

Technologies: JS, Python, TACTIC, PSQL, CMS, REST

- Engineered and reformed backend architecture for TACTIC. Improved loading efficiency of TACTIC widgets by more than 30%.
- Directly communicated with clients and development team to design and construct custom workflow solutions. These applications have been deployed and used by thousands of users worldwide.
- Utilized UI/UX design principles to remodel TACTIC interface.
- Renovated company website with CMS technology.
- Wrote clear and concise documentation and ensured the quality of software through manual and automated testing.

Weav Technologies Inc.
Co-founder/Software Developer

A ride-sharing mobile app that connects students traveling between cities

📅 November 2017 – Present   📍 Toronto, ON

Technologies: Android Java, Swift, Node, Express, GraphQL, MongoDB, AWS, ReactJS, Google Maps API, BrainTree API, Zendesk API

- Designed and built a node-based search and match algorithm. The algorithm uses a deeply researched criteria to process user inputs.
- Used MVC principles for Android and MVVM principles for iOS. Created numerous backend services using both REST and GraphQL.
- Built a fully responsive web application website using ReactJS.
- Placed Top 4 at the Hub (Startup Incubator) startup competition.

Website: letsweav.com

CPAC
Web Developer Intern

A non-profit organization serving internationally trained professionals.
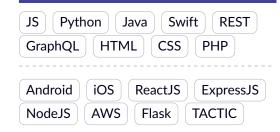
📅 May 2017 – July 2017   📍 Scarborough, ON

Technologies: Wordpress, CSS, PHP

- Modernized the website's design while maintaining its core components with Wordpress, CSS and PHP.
- Vastly improved SEO of the website. (From the third page of Google to the fifth result from the top)
- Maintained the website's VPS via its WHM and cPanel.

Website: cpac-canada.ca

SKILLS

JS   Python   Java   Swift   REST   GraphQL   HTML   CSS   PHP

Android   iOS   ReactJS   ExpressJS   NodeJS   AWS   Flask   TACTIC

PROJECTS

Hexa-game
A 2-player real-time strategy game

Technologies: ReactJS, NodeJS, ExpressJS

- Implemented a triplet number system to calculate distance between nodes and available moves for each node.
- Used a REST api for the backend, and ReactJS for frontend. User authentication was done using OAuth with Google accounts.

Social Connect
A social app that connects multiple social media easily and efficiently.

Technologies: Android, React Native, JS/HTML/CSS

- Originally built with Android Java. Switched to React Native to support both Android and iOS platforms.
- Used local storage because it's not data intensive.

STATLab
A homework application that allows students to complete weekly question sets online.

Technologies: Flask, Postgres, JS/HTML/CSS

INTERESTS

I love discovering interesting algorithms and learning about new technologies.

I am also a passionate UI/UX designer and graphic designer, and I love the iterative process of designing.

I enjoy the outdoors and I find myself outside a lot during the summer.