DAVID LIU

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💼 EXPERIENCE

Full Stack Developer

Cynorix - *September 2021 - December 2021*

- Carried out the end to end development of a web based full stack video chat meeting management platform using **React**, **Firebase functions, MongoDB** complete with **Twilio** and **SendGrid** two factor authentication
- Implemented a chatbox with features such as creating group chats, online/ away status and editing/ deleting messages in the secure video chat application using **React**, **Express**, **MongoDB**, **Node** and **WebSockets**
- Enhanced security of the web and desktop **Electron** encryption service by adding two factor authentication using **Twilio** and **Sendgrid**, and improving the encryption logic using **AES encryption** and **SHA hashing** from **CryptoJS**

IT Support & Quality Assurance

Pillar to Post - *January 2021 - April 2021*

- Increased testing efficiency by **30%** by introducing and implementing automated unit testing with **Python Selenium**
- Developed and iterated through smoke and regression test scripts throughout releases to ensure successful deployments of the web and mobile applications relied upon by **550+** franchise locations across North America
- Maintained clear communication with developers by constructing detailed tickets within **Azure DevOps** to verify fixes and log new bugs

⌨ PROJECTS

ChiDes — Hack the North 2021
- Built a web app for users to coordinate meet-ups and record previously visited locations using **Next.js**, **Node**, and **Firebase** for authentication and database

CoRunna — TOHacks 2021
- Built a web app using **React**, **Node** and the **Google Maps API** to map the safest and most socially distanced route for users

DOJO — Hack the North 2020
- Developed a video calling web application where users can share skills with one another using **React** and **Node**, leveraging the **Vonage API**

‹ › SKILLS

Languages
JavaScript, Java, C/C++, Python, HTML, CSS, SQL

Frameworks
React, Express, Electron

Technologies
Node, NoSQL, Git, MongoDB, Firebase, Linux, Next.js, Twilio, WebSockets, Azure DevOps, Salesforce, Selenium, Adobe Creative Suite

🎓 EDUCATION

University of Waterloo
September 2020 - April 2025
Candidate for BASc,
Systems Design Engineering

🏆 AWARDS

University of Waterloo
President's Scholarship

A Y Jackson S.S.
Graduate Honour Award
Awarded to student with the greatest positive impact on academic and social life

Principal's Award for Leadership

SAC F.C. Lively Award
Dedication to leading the Student Council

DECA Ontario
Provincial Champion (Top 18 Overall Individual Event), ICDC Qualifier 2020

TDSAA
Swim city finalist — 2016 - 2020
Badminton, Table Tennis Regional Champions - 2019

🎵 INTERESTS

Swimming, badminton, portrait photography, guitar, eSports