

JONATHAN WANG

+1(416) 578-5856 | jonathan.wang@uwaterloo.ca | [linkedin.com/in/jonathanwang2000](https://www.linkedin.com/in/jonathanwang2000) | jonathanwang.dev

EDUCATION

University of Waterloo

Bachelor of Mathematics in Computational Mathematics

Waterloo, ON

Sep. 2018 – May 2023

EXPERIENCE

Incoming Software Development Engineer Intern

Amazon

Sep 2022 – Dec 2022

Seattle, WA

- Working to build innovative technologies at scale in a large distributed computing environment

Web Engineer Intern (UI Infrastructure)

Robinhood Markets

Jan 2022 – May 2022

Menlo Park, CA

- Implemented **server driven UI** on web to centralize UI logic for all clients, adding custom action handling and adding components, increasing internal usage by product teams by 135%
- Developed **code playground** and **Python backend** for previewing and testing SDUI components on web/mobile clients to increase adoption and usage of SDUI library
- Built React components for internal UI library with a focus on API design and user accessibility

Software Developer Intern (Connected TV)

Accedo.tv

May 2021 – Aug 2021

Toronto, ON

- Created **responsive design** for components of React video streaming app for DISH network for mobile and tablet devices
- Implemented services for Bloomberg smart TV app to track **analytics** on user video activity and advertisements
- Engineered **cross-platform backend** using Express and Firebase for notifications to showcase as proof of concept for client

Software Developer Co-op

SickKids Foundation

Jan 2020 – Apr 2020

Toronto, ON

- Developed **React.js** app for processing medical DICOM images in bulk to run with ML algorithms, expediting process as previously could only be done with individual images
- Created admin moderation dashboard for medical social media site for increased efficiency for forum moderation
- Improved clustering logic on member map feature to speed load time up from 10+ seconds to 0.5 and remove freezing

Software Developer Intern

Monogram CC

May 2019 – Aug 2019

Waterloo, ON

- Engineered **user report system** in Qt C++ app to centralize error reporting
- Integrated **CI** and tracing services to streamline and clarify errors and debugging processes

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, C++, Python, CSS, SQL, GraphQL

Technologies: React.js, Node.js, Electron.js, Lightning.js, Qt, Git, PostgreSQL, CircleCI

PROJECTS

Pellet | Next.js, React

- Digital implementation of a bullet journal, adding daily entries and tracking trends

Two Player Snake | Python, Pygame

- Classic game of snake with additional head to head multiplayer mode

Personal Portfolio | Next.js, React

- Single page, responsive portfolio site using server-side rendering and Chakra UI