Andrew Wang

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EDUCATION

University of Waterloo *Sept 2020 - April 2025*
Bachelor of Computer Science (Co-op)

TECHNICAL SKILLS

Languages: Javascript ES6, Typescript, Python, Ruby, C, C++, Java, GraphQL, SQL
Frameworks & Tools: React, Redux, Ruby on Rails, Node.js, GCP

WORK EXPERIENCE

Hubspot – Cambridge, United States *Jan 2022 - May 2022*
Software Engineering Intern
- Directed a **Redux** + **Immutable.js** focused project enabling customers to connect **hundreds of more** social media accounts, scaling the app for **5%** of current users and larger customers in the future
- Concurrently paginated **REST** requests from IG & FB using **dispatch hooks** and lazy-loaded the accounts in an infinite scrolling list with **Intersection Observer API**
- Added social post previews with **React**, directly increasing the daily productivity of **10,000+ customers** by **30%**

Crypto DeFi Project (Private) – San Francisco, United States *Sep 2022 - Dec 2021*
Software Engineering Part-time Contract
- Installed **CircleCI** pipeline, adding the first set of **Cypress** tests to save **10+ hours** of manual testing every deploy
- Integrated **LaunchDarkly** admin toggles to prevent **potential millions** in loss in case of an urgent vulnerability

Jewlr – Toronto, Canada *May 2022 - Aug 2021*
Software Engineering Intern
- Refactored addons and gift-wrapping **API** for jewelry orders in **Ruby**, wrote test coverage in **RSpec** + **RSwagger**
- Upgraded major version of **Rails** from **5.2** to **6.1**, refactoring gem incompatibilities and overseeing the rollout

LEADERSHIP

Computer Science Club – University of Waterloo *May 2021 - Present*
Development Team Lead
- Leading the vision and strategy for a team of **11 developers**, managing projects such as a virtual club currency (codeyCoin) and coffee chat matching tool for **1,000+ students**

PROJECTS

Codey Bootcamp - *Instantaneous Drop-in Mentorship* *Sep 2021 - Present*
https://github.com/uwcsc/codeybot | https://discord.gg/fS29b64BPN
- Designed platform to cycle over **300+ mentees** into mentor calls of specific tracks: Frontend, Hardware, PM, etc.
- Sponsored by **7 local tech organizations** to provide **80+ mentors** of various experience categories
- Now **over 500 hours** of tracked call time from seasonal Resume Reviews and Mock Interviews events

Asu - *Animated Font, Pathfinder, and Maze Generator* *Dec 2020*
https://asdera.github.io/Asu/ | https://asdera.github.io/AsuPathFinder/
- Designed a concise, yet flexible animated font using **bezier curves** and parametric equations in **P5.js**
- Emphasized animations, user-friendly design in a graph theory simulator with numerous visual features to explore

Bhoppers - *Open World Multiplayer Platformer* *Mar 2019*
https://bhoppers.herokuapp.com/
- Features **6 worlds**, **50+ challenging maps**, can support up to **40 concurrent players**, and has reached **30,000 hits**
- Use **socket.io** for features such as PvP deathmatch, speedrun leaderboards, chat commands & customizations