

Jonathan Chan

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EDUCATION

Northwestern University

Evanston, IL
Class of 2020

B.S. Computer Science
Minor in Linguistics
School of Engineering
GPA — 3.7 / 4.0

SKILLS

Programming

iOS · Swift / Obj-C
React · React Native
TypeScript · Node
Rust
Python
Racket
PHP
Agile / Scrum

Languages

English
Chinese · Cantonese
French (in progress)

COURSES

Systems Prog. w/ Rust
Computer Networking
Machine Learning
Digital Forensics

INTERESTS

Cooking · Baking
Cycling · Urban Design
Travel · Languages
UX Design

PROFESSIONAL EXPERIENCE

Software Engineering Intern

Convoy

July - September 2019

- Designed and launched a new automation workflow for shipment operations team to better manage staffing. Freed up 3,000 human-hours per year.
- Empowered teammates to better reach company goals by automating monthlong back-and-forth emails with a product that gives instant feedback.
- Architected a full-stack web product using Postgres, Node, GraphQL, and React. Testing, profiling, and rollout with Jest, Datadog, and LaunchDarkly.

Software Engineering Intern

Fulcrum GT · Chicago

June - September 2018

- Ideated and designed a mobile app to help travellers split bills and prevent conflicts by brainstorming with industry executives and legal team.
- Led development of an iOS app with Core Data, and a React web client, with Socket.IO for real-time bill-splitting, and adapted backend with teammates.
- Launched a streamlined UX by collaborating heavily with designers and product owners, in a fast-paced startup environment with Agile.

Teaching Assistant · Rust, Data Structures, Intro to CS

Northwestern University

March 2017 - Present

- Took initiative to compose Intro to CS's first official study guide using tangible analogies, helping students thrive beyond office hours.
- Took initiative to become the most junior teaching assistant for Rust.

PROJECTS & LEADERSHIP

MeowlWatch iOS App

Northwestern University · appsto.re/us/SnDTib.i

April 2017 - Present

- Launched an independent iOS app, for students to budget meals and find places to eat, by reverse-engineering HTTP requests.
- Created a product used by 4,500 students with 60 paying users and 100 daily users, integrated with iOS using StoreKit, NotificationCenter, and SiriKit.

.dev Co-Founder and Software Officer

Northwestern University

May 2017 - Present

- Founded a new community for motivated developers, with 50 active members, emphasising inclusivity, diversity, and applied exploration.
- Inspired members to overcome product hurdles by organising workshops about industry technologies, academic topics, UX, and entrepreneurship.