

DALTON SWEENEY

New York, NY | (628) 999-0118 | dalton.g.sweeney@gmail.com | [GitHub](#) | [LinkedIn](#)

Senior SWE with 5+ years of experience building distributed systems at scale — automating critical workflows and leading cross-functional teams to ship compliant, high-performance products under tight deadlines.

EXPERIENCE

Heron Finance (formerly Goldfinch)

May 2022 – Present

Senior Software Engineer | **Node.js, Solidity, PostgreSQL, MongoDB, TypeScript**

New York City, NY

- Led architecture and rollout of Heron's ACH, Wire, and USDC rails, processing seven figures of monthly deposit volume
- Partnered with compliance and investor relations teams to design core allocation algorithms, automating all monthly client funds distributions (over \$7.5M AUM)
- Created ETL pipelines to automate client quarterly statement and tax document generation, saving ops team one week of labor per quarter
- Managed comprehensive external and internal Solidity security audits, implementing best practices and eliminating critical vulnerabilities to fortify Goldfinch contracts before releases
- Solved biggest Goldfinch user painpoint by implementing a pro-rata withdraw queue for the Senior Pool contract, facilitating over \$20M in fair withdrawals
- Optimized Goldfinch smart contracts to keep bytecode under max deployment size and unblock deployments, publishing my work on [Goldfinch's Engineering Blog](#)

Coursera

May 2020 – Apr 2022

Software Engineer | **Java, Spring, Scala, Spark, Airflow**

San Francisco, CA

- Payments and product engineer at one of the world's largest learning platforms (over 175M users)
- Migrated quarterly revenue-share pipeline to Apache Spark, slashing runtime by 80%, enabling finance to close books weeks earlier each quarter
- Added non-USD currency support for Amex transactions, doubling total Amex volume and capturing an incremental six-figure revenue stream
- Directed end-to-end delivery of Taiwan payment compliance for Coursera's 2021 IPO, coordinating engineering and legal to hit tight delivery deadlines
- Coached multiple engineering teams on a new data-access pattern, reducing course rebranding time by 50% and accelerating go-to-market for major partner launches
- Automated creating course promos during internship, cutting engineering time by 90% per promotion and enabling marketing team to launch 5x more promos. Converted to fulltime after graduating

Splunk

Sep 2019 – Dec 2019

Software Engineer Intern | **Swift, Objective-C, ARKit**

San Jose, CA

- Developed charts and data-viz components in AR for Splunk's mobile AR telemetry app for factories, live-demoed at Splunk's annual developer conference to over 10,000 attendees

Kik Messenger

May 2018 – Aug 2018

iOS Developer Intern | **Swift, Objective-C**

Waterloo, ON

- Implemented in-app purchases with Kik's cryptocurrency Kin, creating a new six figure revenue stream
- Added custom themes and other personalized features to chat, boosting average time spent in app
- Rewrote API layer with RxSwift, increasing developer productivity by 2x for writing data fetching code
- Cleared whole iOS high priority bug backlog, freeing up mobile team for more product work

EDUCATION

University of Waterloo, Bachelor of Software Engineering, *With Distinction*

Sep 2015 – May 2020

3.90/4.00 GPA