

Kevin Chu

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Education

Columbia University • Computer Science (B.A.)

September 2015 – May 2019

Relevant Coursework

Honors Introduction to Computer Science, Data Structures & Algorithms, Advanced Programming, Computer Science Theory
Introduction to Databases, User Interface Design, Natural Language Processing, Analysis of Algorithms, Programming Languages & Translators

Work Experience

Independent projects Learning and exploring

March 2021 – Present

- Pursued and validated investing startup idea with painted door landing page, Figma prototype, and five figures in investor commitments
- Completed The Odin Project web development curriculum by building over 30+ frontend projects in order to complement backend skills
- Columbia Venture Competition Technology Challenge finalist for healthcare tech React webapp using GPT-3 to translate insurance legalese
- Selected for fellowships in On Deck Catalyst (young leaders in tech), Gitcoin Kernel (web3), and product management cohort-based course
- Mentored six college students on careers in technology and fintech

Bridgewater Associates Product Engineer, Investment Engine Technology

July 2019 – February 2021

- Forward-deployed engineer supporting investment staff in authoring and debugging investment algorithms and research models in Scala
- Triaged and unblocked highly technical escalations (12-20 tickets/week) as part of on-call service with positive user feedback (95+% CSAT)
- Coordinated offshore dev team on AWS compute platform interface refresh and self-service troubleshooting, reducing support costs by 80%
- Optimized multi-million dollar monthly cloud spend by analyzing compute API usage patterns to implement AWS EC2 cluster auto-scaling
- Led biweekly cloud compute product syncs with senior product managers and engineers to synthesize user feedback and drive improvement
- Contributed to investment research on cryptocurrencies and CBDCs (central bank digital currencies) for CIOs and senior investors

Abra Product Management Intern, Payments

May 2018 – August 2018

- Conducted 40+ hours of user interviews and usability testing to build customer personas and validate fiat-crypto deposit/withdrawal flows
- Worked with senior product leaders to drive end-to-end integration with SEPA banking system, enabling expansion of user base to Europe
- Wrote product requirements for integrating real-time cryptocurrency asset pricing API with charting libraries

LendUp Product Management Intern, Credit Cards

May 2017 – August 2017

- Built product metrics dashboard on top of Redshift data pipeline, providing leadership bird's eye view of mobile, growth, and support metrics
- Filled in for lack of developer capacity by learning React Native and GraphQL and shipping Mixpanel mobile analytics coverage to production
- Started SQL education pilot program for employees across SF and Richmond, Virginia offices

Projects

Medisure.ai Columbia Venture Competition finalists: GPT-3 robo-lawyer for generating appeal letters for health insurance claim denials

Photo# Scripting language for command line interface photo editing (OCaml LLVM, C compiler and function library, Python parser/lexer)

Mochi Slack Slackathon winner (\$5000 prize): Slackbot enabling real-time feedback capture for Slack teams and communities (Node.js, Slack API)

Recipify Using AI image recognition algorithms to generate recipes from photos of food (Clarifai computer vision API, Spoonacular food API)

Pulse@CU Event and club discovery platform for the Columbia community, acquired 1,200+ users (Meteor.js, Heroku, Python web scraping)

Skills

Languages & Frameworks

Javascript (Typescript, React, Next.js, Express, Astro, Jest), HTML/CSS, Python, Java/Scala, SQL

Software

Splunk, Jira, Confluence, Visual Studio Code, Vim, IntelliJ, DataGrip, Figma, Postman, GitHub

Certifications

Amazon Web Services (AWS) Certified Cloud Practitioner, Solutions Architect Associate