Christopher Kei

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EDUCATION

Northeastern University, Boston, MA   September 2018 – Present
Honors Student   GPA: 3.91/4.00
- Candidate for a Bachelor of Science in Computer Science and Mathematics with a minor in Computational Data Analytics from the Khoury College of Computer Sciences, expected May 2022
- Relevant courses: Fundamentals of Software Engineering, Computer Graphics, Intro to Machine Learning, Algorithms and Data, Object-Oriented Design, Statistics and Stochastic Processes, Linear Algebra
- Involvement: Corporate Relations Chair for the Society of Asian Scientists and Engineers, Tutor for Fundamentals II, Web Developer for FirstByte, Dragon Boat Rower for the Chinese Student Association

TECHNICALITIES

Languages: Node.js, TypeScript, JSX, Python, Java, C++, Swift, GraphQL, SQL, Bash, ACL2S, Racket
Frameworks: React, Express, Meteor, Serverless, LocalStack, Next.js, Gatsby, gRPC, Mocha, Chai, unittest, Jest
Software: MongoDB, AWS Lambda, Apollo, Redis, RabbitMQ, NGINX, BloomRPC, Contentful, Docker, Postman
Deployment: Netlify, Heroku, Vercel, Firebase, Jenkins, AWS Cloudwatch, Grafana, webpack, Git

WORK

INTEGRITY Security Services Software Engineering Co-op, Boston, MA   January 2021 – August 2021
- Developed an advanced search engine for vehicles that supported multiple search parameters such as user-generated tags and current software versions as well as complex chained and negated queries
- Enhanced client control over the over-the-air updates system by providing the ability to set system-wide vehicle parameters en masse in an efficient manner that conformed to OMA DM standards
- Built a quarterly sales report app to automate data aggregation and emailing through AWS Lambda

Solaria Labs Software Development Co-op, Boston, MA   January 2020 – August 2020
- Spearheaded the profile system overhaul to allow for renters, identity, and auto policy support
- Reverse engineered Liberty's auto insurance quote questionnaire, modification, and confirmation pages
- Established a common client to view and test components in Storybook before live integration

PROJECTS

Personal Website (chriskei.com)   Present
- Constructing my own hub which will serve as an exhaustive autobiography and technical portfolio
- Creating hi-fi wireframes in Figma that have drawn inspiration from key Instagram components
- Augmenting site with fun features including a hand-drawn loading screen and clipping mask animations

Worksense (worksenseanalytics.com)   November 2020
- Collaborated with a team of talented designers, developers, and C-level executives to produce a product website that showcased how Worksense would greatly aid in mitigating workplace biases
- Utilized keyframe animations to embellish the website's "Worksense in the Press" and "FAQ" sections
- Managed all internal wiring to Netlify including API keys, form submissions, and custom domain assignment

EXPERIENCES

Capital One Software Engineering Summit   August 2020
- Participated in workshops covering machine learning, iOS development, and Arduino programming basics
- Initiated a mobile app that used geolocation to alert users of credit card purchases made out of their vicinity

Software Development Practices Dialogue in Munich   July 2019
- Studied the Scrum project management framework alongside BMW, ProGlove, and Next Level Consulting
- Documented a comprehensive requirements specification for an expense sharing mobile app
- Wrote a risk management paper detailing software projects' efforts in leveraging threats and opportunities