

Halmon Lui

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[LinkedIn](#) | [Github](#) | [Website](#)

PROFESSIONAL SUMMARY

Software Engineer at Indeed with strong fundamentals in full-stack development

I am a strong proponent for developing scalable, well-documented and DRY code - though I also enjoy debugging and hotfixing escalated issues. I have designed, scoped, and developed epics for a team of talented engineers, overseen A/B testing and feature launches that impact millions of jobseekers. I thrive at collaborating cross-functionally with product and design to build optimal features that are quick to ship and sustainable (MVP).

SKILLS

- Programming: JavaScript, TypeScript, Python, Flask, Java, Scala, React.js, Node.js, Redux, HTML/CSS
- Server: NGINX, MongoDB, Spark, Hive, MySQL, Firebase, Jenkins, CI/CD, AWS (EC2, SQS, Elastic, EMR), GCP
- Tools: Git, Vim, Postman, Datadog, LaunchDarkly, Sparkpost, Selenium, Unix, Storybook, Apache Airflow

EXPERIENCE

Indeed, Remote | Software Engineer II | 08/2022 - Present

- Design: Hosted design reviews with decision matrices demonstrating the tradeoffs between several approaches
- Testing: Developed frontend and backend unit tests and integration tests with 100% code coverage
- Mentoring: Lead initiative of creating a new index builder with junior engineers - Scala, Spark, Hive, AWS EMR
- Collaboration: Worked with stakeholders from other teams to build features spanning multiple projects - TS, Java

Reggora, Remote | Tech Lead | 07/2021 - 07/2022

- Leadership: Spearheaded new agile team of 7 to relieve pain points for 15k companies.
- Collaboration: Worked closely with PM, Head of Data, Senior EM, VP of Eng to kickstart data driven features
- Frontend: Worked with Product Designer to create functional components - React.js, Redux, Javascript
- Backend: Made sound judgment calls to refactor tech debt and build scalable APIs - Flask, MongoDB, Python
- Talent: Conducted 40 technical and cultural interviews

Reggora, Boston | Full-Stack Developer | 09/2019 - 07/2021

- Development: Created RESTful payment endpoints - Python, Flask, Stripe API
- Performance: Improved load time of heavily used component from 1 min to < 1 sec - Python, Flask, SQS
- Migrations: Developed 25+ scripts using MongoDB and efficient queries using Elasticsearch
- Support: Debugged 120+ escalated tickets and developed 30+ production hotfixes

Biotake Research, Boston | Full-Stack Researcher | 01/2018 - 01/2020

- Data: Applied Machine Learning and Multi-scale Entropy to Physiobank's ECG data
- System: Implemented infrastructure with NGINX, Python, Flask, MongoDB, Express.js, React.js, Node.js (MERN)

Visible Systems Corporation, Boston | Full-Stack Developer | 09/2018 - 09/2019

- Design: Redesigned the front-end of the web application using React.js on top of ASP.NET MVC

EDUCATION

Bachelor of Computer Engineering, August 2015 - August 2019

Wentworth Institute of Technology, Boston

PROJECTS

[MySafeStay](#) | Founder of this city crime analysis website - Python, React.js, Flask, MongoDB, NGINX, VPS Hosting, GCP

[Airbnb API](#) | Unofficial Airbnb API scraper - Python, Flask, BeautifulSoup, Selenium

PUBLICATIONS

IEEE INTERNATIONAL CONFERENCE ON E-HEALTH 2020 (IEEE Healthcom 2020) | Publication, Speaker

- Halmon Lui, Chen-Hsiang Yu. "System Design for Data Analysis with Multiscale Entropy" IEEE Healthcom'20, Shenzhen, China, December 2020.

THE 2019 INTERNATIONAL CONFERENCE ON SECURITY AND MANAGEMENT (SAM'19) | Publication, Speaker

- Halmon Lui, Chen-Hsiang Yu. "Security Lessons from Building a Back-End Service for Data Collection." SAM'19, Las Vegas, NV, July 2019.