Jason Chen

801-946-4587 | json@cs.stanford.edu | linkedin.com/in/jsonchen | github.com/cheson

EDUCATION

Stanford University Stanford, CA
Bachelor of Science in Computer Science *Aug. 2013 – May 2017*
Master of Science in Computer Science *May 2017 – April 2019*

EXPERIENCE

Full-Stack Software Engineer August 2021 – September 2022
Trace *Anchorage, AK (Remote)*
- Full-stack development for both Trace's spend and headcount management products, primarily using React, Typescript, GraphQL, and Go
- Features included the home dashboard, headcount timeline, spend analytics, data import and export tooling, etc.
- Helped answer technical questions and onboard new customer companies to the Trace product

Full-Stack Software Engineer January 2021 – July 2021
www.rabbitholes.ooo *San Francisco, CA*
- Publicly deployed web app done as a personal project. Details in project description and Github repo linked above

SDE 2 June 2018 – October 2020
eero | Amazon subsidiary *San Francisco, CA*
- Developed microservices using Scala, Play, and Akka to support our mesh WiFi router fleet and user applications
- Worked on Amazon acquisition and integration projects like account linking or Works with Alexa certification
- Built new processes to support QA compliance and localization testing as we brought our products international
- Created a pipeline to deliver release notes changes to mobile apps within seconds
- Investigated and prototyped a Kubernetes-hosted Prometheus metrics service to replace InfluxDB
- Wrote onboarding docs and was a constant proponent of improving documentation and engineering processes

CS106 Section Leader & Head TA November 2015 – June 2018
Stanford CS Department *Stanford, CA*
- Created new section material for an intro CS series migrating from Java to Python/Javascript for the first time
- Managed office hours, discussion sections, course staff and grading
- Taught a weekly section of 8-12 students for 7 academic quarters before transitioning to head TA

Software Engineering Intern June 2016 – September 2016
Roboterra *Sunnyvale, CA*
- Released the beta of a robotics education app written with JavaScript and ReactJS in a team of 4
- Coded the quiz and code challenge system, coding feedback generator, and JSON processing tools

PROJECTS

www.rabbitholes.ooo | *JavaScript, Express, React, mongoDB, Figma, AWS, Firebase, Docker, nginx*
- Allows users to create and view ordered lists of links, like playlists for Internet content instead of songs
- Worked on everything from coding to design to product management to improve my practical skills over 6 months
- Project documentation and code available under Github repo and README:
  https://github.com/cheson/rabbitholes

US Governor Speech Analysis | *Python, Selenium, Plotly*
- Scraped US governors' speeches from votesmart.com using the Python tool Selenium
- Built a tool to analyze and visualize governors' focus on various keywords and topics over time

Race in the NYT | *Python, NLTK, Gensim*
- Investigated how the New York Times' portrayal of various races changed between 1987-2006
- Created a vector space model for semantic orientation sentiment analysis

TECHNICAL SKILLS

Languages: Scala, Python, C, C++, Javascript, SQL, HTML/CSS
Frameworks and Tools: AWS, Akka, Alexa Skills SDK, Cloudflare DNS, Docker, Express, GitLab CI/CD, Grafana, Google Firebase, k8s, mongoDB, Node.js, Play Framework, Prometheus, protobuf, React, Redux, Terraform