

Conor Stuart-Roe

SOFTWARE ENGINEER

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Education

Haverford College

Philadelphia, PA

B.S. IN COMPUTER SCIENCE AND LINGUISTICS, MINOR IN MATHEMATICS

August 2016 - May 2020

- Graduated *magna cum laude* (GPA: 3.94)
- Submitted a combined thesis to the CS and Linguistics departments on transfer learning of natural language morphology

Skills

Competencies	Full-Stack, System Design, Integration Testing, CI/CD
DevOps	AWS (EC2, S3, DynamoDB, Lambda, EMR, IAM), Docker, Ansible, Terraform
Back-end	Rails, Django, Flask, PostgreSQL, MongoDB, Redis
Front-end	React, Webpack, SASS/SCSS, Bootstrap
Languages	Python, JavaScript/TypeScript, Ruby, Go

Experience

Google

New York, NY

SOFTWARE ENGINEER

Apr 2022-Present

- Python | Go
- I work on the System Under Test Execution Engine, a complex toolkit for provisioning infrastructure for integration tests within Google
- Underpins the canonical solutions for integration testing and CI at Google; one six-month project I landed was estimated to save 34 SWEy annually across Google
- System design, project management, and impact analysis are core parts of this role

Academia.edu

San Francisco, CA/Remote

FULL-STACK SOFTWARE ENGINEER

July 2020-Mar 2022

- Ruby on Rails | TypeScript x React | Postgres
- Projects ranging from data engineering to page redesigns; a large proportion of work pertained to payments system
- Member of security guild, a group of engineers that spend 10-20% of engineering time away from normal teams to work on dependency updates, credentials safety, and site security
- Gave tech screens for Academia.edu from early 2021 onward and also onboarded two new hires

ProPublica

New York, NY

AUDIENCE & CONTENT ANALYTICS INTERN

June-August 2019

- Python | Docker | AWS
- Zero to rollout on a Slack chatbot which allows audience team members to build custom lists and graphs on the fly
- Aggregates data from Google Analytics and social media via APIs, as well as ProPublica's CMS data stored in MySQL

Honors & Awards

- 2020 **Member**, Phi Beta Kappa
- 2020 **Graduated with Honors**, Haverford Computer Science Department
- 2020 **Invitee**, Hack Lodge W20
- 2019 **Fellow**, HackNY

Menlo Park, CA

New York, NY

Projects

Teko

December 2018-Present

<https://github.com/cstuartroe/teko>

- A statically typed scripting language similar to TypeScript, implemented in Go