

Conor Stuart-Roe

SOFTWARE ENGINEER

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Education

Haverford College

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

Philadelphia, PA

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

DevOps AWS (EC2, S3, DynamoDB, Lambda, EMR, IAM), Docker, Vagrant, Ansible, Terraform, Jenkins, CircleCI
Back-end Rails, Django, Flask, PostgreSQL, MongoDB, Redis
Front-end React, Webpack, SASS/SCSS, Bootstrap
Languages Python, JavaScript/TypeScript, Ruby, Go, C++

Experience

Academia.edu

FULL-STACK SOFTWARE ENGINEER

San Francisco, CA/Remote

July 2020-Present

- Ruby on Rails, React (with TypeScript), and Postgres
- Projects ranging from data engineering to page redesigns according to business needs; a large proportion of my work has pertained to the payments system
- I participate in 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
- I have been giving tech screens for Academia.edu since early 2021 and have also onboarded two new hires

Kyrium Group

LEAD DEVELOPER

Remote

August 2018-January 2020

- The Kyrium Group was a small PR and design consultancy that operated from 2016 to 2020
- As Lead Developer, I supported the larger PR and marketing operation by building bespoke web applications for clients, ranging from static sites to one of our flagship products - Fleet Sheets, an aircraft sales aggregator that sold as a SaaS product to aircraft brokers
- I did all technical design and planning and led one other engineer in implementation
- Almost all of our applications were built on a Django + Postgres stack and deployed on DigitalOcean

ProPublica

AUDIENCE & CONTENT ANALYTICS INTERN

New York, NY

June-August 2019

- Zero to rollout on a Slack chatbot which allows audience team members to build custom lists and graphs on the fly
- Written in Python, deployed in a Docker container on AWS EC2
- 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
2015 **Silver Medal**, 13th International Linguistics Olympiad

Menlo Park, CA

New York, NY

Blagoevgrad, Bulgaria

Projects

Teko

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

December 2018-Present

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

Biota Or Nada

<https://github.com/cstuartroe/cellular-automata>

January 2020

- A Hack Lodge (hacklodge.org) project, this is a website that uses reinforcement learning to find interesting rulesets for cellular automata