

# 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

### Google

SOFTWARE ENGINEER

New York, NY

Apr 2022-Present

- I work on the System Under Test Execution Engine, an internal integration testing platform
- The platform manages infrastructure for automated CI testing throughout Google

### Academia.edu

FULL-STACK SOFTWARE ENGINEER

San Francisco, CA/Remote

July 2020-Mar 2022

- 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 participated 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 gave tech screens for Academia.edu from early 2021 onward and also onboarded two new hires

### 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