

CONOR STUART ROE

BACKEND WEB & NLP ENGINEER

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Web developer, data analyst, and pipelining pro. Academic experience in computational linguistics, programming language theory, cryptography, and data science. Looking for full-time software engineering or data science roles beginning summer 2020.

EXPERIENCE

The Kyrium Group 2018-Present

Lead Developer

- Technical lead of Fleet Sheets, an email and data management service for aviation sales
- Have handled a variety of other technical freelance projects as they arise, from web scraping to a music library search engine

Haverford Digital Scholarship 2017-Present

Full-Stack Developer on the Ticha Project

- 4-8 hours per week working with team in the Haverford College library maintaining Ticha, a digital archive for linguistics research

ProPublica Summer 2019

Audience Analytics Intern

- Zero to rollout on a Slack chatbot which aggregates from Google Analytics, social media, and CMS and allows audience team to build custom lists and graphs on the fly

The Vanguard Group Summer 2018

College to Corporate Intern

- Refactored predictive analytics for mail
- Wrote a VXML parser and interpreter on JSP
- Helped pilot internal use of MEAN stack

Ivy.ai Summer 2017

NLU Research and Engineering Intern

- Led initiative within small startup to conduct original research and testing of NLU techniques for chatbot
- Drafted research memos and built prototypes of web scrapers, natural language understanding tools, and a graph-based semantic knowledge base

EDUCATION

Bachelors of Arts and Science - Linguistics and Computer Science

Haverford College '20

GPA: 3.92

TOOLS & PLATFORMS

Python, Java, C++, Node.js, R, SQL

HTML, CSS, JQuery, Bootstrap

Django, Angular, React, Rails, Express

PostgreSQL, MySQL, MongoDB

NumPy, Pandas, Tensorflow, Theano

AWS (EC2, ECS, S3), DigitalOcean, Heroku

Ubuntu, Windows

Git • Nginx • Docker

SKILLS

Natural language processing and modeling

Machine learning and data science

Data management and pipelining

Backend web development

Formal mathematics and cryptography

Network security

Programming language theory