

Andrew Drummond

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WORK EXPERIENCE

Axoni

Software Engineer

New York, NY

February 2019 – Present

- Built and deployed complex full stack web applications on AWS using a dockerized React / Redux frontend with an nginx web server, and a Django backend API server
- Designed and built custom, modular React components in JavaScript, HTML and CSS for an internal frontend components library used across multiple projects
- Developed a custom Python WebSocket server using the Tornado library to integrate a permissioned frontend web application with a Kafka-based blockchain event stream
- Built complex business logic for trade processing in Solidity exceeding functionality of client's previous systems
- Wrote and implemented Python scripts to configure custom blockchain networks and deploy smart contracts
- Worked with business team to architect blockchain solutions for trade processing, and to quickly and successfully resolve client issues
- Worked on blockchain network, which is now live in production, with over one million dollars of trade value stored on it

Fullstack Academy

Teaching Fellow

New York, NY

September 2018 – December 2018

- Mentored a class of 42 students, assisting with workshops, projects and technical office hours Lead white-boarding interview prep sessions using JavaScript and Computer Science concepts
- Created curriculum materials for extra practice in Node.js, SQL, React.js, and Redux
- Acted as a project manager for student's final projects, implementing JIRA standards and leading and assisting in code reviews to ensure industry best practices

KPMG US

Emerging Technology Risk Intern

New York, NY

June 2017 – August 2017

- Edited and organized a composite library of IT Risks for KPMG IT Risk function based on key guiding risk principles and worked in small team to develop marketing materials and Key Risk Indicator metrics
- Developed a task bot to automate financial reporting using enterprise software, saving the Audit team 30 hours of labor

TECHNICAL SKILLS

- **Proficient:** Python, Javascript, Typescript, HTML, CSS, Node.js, React, Redux, Webpack, WebSockets, SQL, Solidity, Git
- **Knowledgeable:** AWS, Kafka, Docker, Linux, Web3.js, Mocha, Chai, Django, Nginx, React Native

EDUCATION

Full Stack Engineering Student (2018)

Fullstack Academy

BS in Economics, *Cum Laude* (2018)

Wharton School, University of Pennsylvania

- Concentration in Business Analytics
- Relevant Coursework: Developer's Tools for Data Analysis, Business Computer Languages, Programming with R, Programming Lang & Tech, Programming Lang & Tech I, Ruby on Rails Web Development

OTHER EXPERIENCE

University of Pennsylvania

NCAA Division I Undergraduate Assistant Coach – Men's & Women's Varsity Swim Team

Philadelphia, PA

September 2016 – March 2018

- 12+ hours/week time commitment, assisting coaching staff with practice, training trip and traveling to meets
- Wrote and led practices with an emphasis on creating a positive training environment for athletes

University of Pennsylvania

NCAA Division I Athlete — Men's Varsity Swim Team

Philadelphia, PA

August 2014 – September 2016

- 25+ hours/week time commitment, spent hours in the pool, weight room and time for traveling to meets
- 2015-2016 Class of '88 Team Spirit Award Winner