Ryan Johnston

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Junior in Computer Science Engineering seeking a summer internship in computer science.

EDUCATION

Expected May 2020

Computer Science Engineering B.S.E.
University of Michigan, Ann Arbor, Michigan
- **Current GPA:** 3.4
- **Relevant Coursework:** Data Structures and Algorithms (EECS 281), Web Systems (EECS 485), Theory of Computation (EECS 376), Programming and Data Structures (EECS 280)
- **UM::Autonomy Wilson Center Project Team:** Business sub team member; designed and implemented new team website with goals of maintainability and intuitive layout (umautonomy.com)

EXPERIENCE

May - June 2018

Research Assistant
Lunds Tekniska Högskola, Lund, Sweden
Completed research in blockchain technology (Ethereum) as part of a competitive study-abroad program.
- Designed decentralized applications using Ethereum smart-contracts and ReactJS
- Created a Docker-based solution for automatically deploying and managing a private Ethereum network
- Completed a proof-of-concept for an IoT device marketplace decentralized application
- Maintained documentation actively through comments and a wiki

May - August 2017

Developer Operations
r4 Technologies, Ridgefield, Connecticut
r4 Technologies is a Data Science company specializing in creating artificial intelligence solutions for increasing business revenue. I used industry-standard tools to implement effective solutions for managing and monitoring server environments.
- Designed and implemented proprietary alert monitoring system
- Automated server setups, configurations, and deployments with Chef and AWS OpsWorks
- Implemented variety of monitoring tools using Python, AWS Lambda, Elasticsearch, and Grafana
- Participated in meetings demonstrating tools and offering input to co-workers
- Assisted in day-to-day environment maintenance and troubleshooting

May - August 2016

Developer Operations Intern
r4 Technologies, Ridgefield, Connecticut
- Implemented Continuous Delivery concepts and tools
- Scripted maintenance tasks using Python and relevant APIs
- Made an internal web application for provisioning development environments
- Worked with AWS console and API frequently to manage server infrastructure

SKILLS & ABILITIES

- Languages: C++, Python, Java, HTML/CSS/JS, Solidity
- Tools/Frameworks: ReactJS, NodeJS, AWS, Git, Linux
- Other: Collaboration, Flexibility, Technical Communication, Problem-solving, Leadership, BSA Eagle Scout