

Ryan P. Johnston

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Objective: Computer Science Engineering student with industry experience seeking a summer internship in computer science.

EDUCATION

University of Michigan | Computer Science Engineering B.S.E. | Expected May 2020

- Current GPA: 3.4
- Relevant Coursework: Data Structures and Algorithms (EECS 281), Programming and Data Structures (EECS 280), Theory of Computation (EECS 376)
- 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)

Ridgefield High School | Ridgefield, CT | June 2016

EXPERIENCE

Research Assistant | Lunds Tekniska Högskola (Sweden) | May 2018-June 2018

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

Developer Operations Member | r4 Technologies | May 2017-August 2017

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

Developer Operations Intern | r4 Technologies | May 2016-August 2016

- Designed prototype web interfaces for internal developer tasks
- Assisted in company-wide implementation of automated continuous delivery
- Automated various tasks using Python running on AWS Lambda

SKILLS AND ABILITIES

- Languages: C++, Python, Java, HTML/CSS/JS, and MATLAB
- Tools: ReactJS, NodeJS, AWS (Console, API, and CLI), Git, and Linux
- Other: Collaboration, flexibility, technical communication, problem-solving, and leadership