Ryan Johnston

(203) 505-8223
ryanpj@umich.edu
ryanpjohnston.com

Junior in Computer Science Engineering with 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), Theory of Computation (EECS 376) Intro to Computer Security (EECS 388), 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)
- **New activity**

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
r4 Technologies | May 2017 - August 2017; May 2016 - August 2016

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

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

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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:** 3.45
- **Relevant Coursework:** Data Structures & Algorithms (EECS 281), Web Systems (EECS 485), Advanced Operating Systems (EECS 482), Database Management Systems (EECS 484)
- **UM::Autonomy Project Team:** Business team design lead; designed and implemented team website with goals of maintainability and intuitive layout (umautonomy.com). Designed new sponsorship material to facilitate a 40% increase in income.

EXPERIENCE

January-May 2019

Instructional Assistant
University of Michigan, Ann Arbor, Michigan
- Assisted in administering an upper-level Web Systems course (EECS 485)
- Designed and delivered projects, exams, and labs to students
- Taught a weekly lab section and held office hours throughout the week

May-June 2018

Research Assistant
Lunds Tekniska Högskola, Lund, Sweden
- Designed decentralized applications using Ethereum smart-contracts and ReactJS
- Created a Docker-based solution for 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
- Designed and implemented proprietary alert monitoring system
- Automated server setups, configurations, and deployments with Chef and AWS OpsWorks
- Implemented a variety of monitoring tools using 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
- Made an internal web application for provisioning development environments
- Scripted maintenance tasks using Python and relevant APIs
- Worked with AWS console and API to manage server infrastructure

SKILLS & ABILITIES

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