

John (Mac) McCann

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EDUCATION

Brown University

September 2016 - May 2020

Computer Science and Economics intended concentration

Sycamore High School, Cincinnati, OH

September 2012 - May 2016

Honors: Principal's Honor Roll all four years, Composite SAT: 2360, Composite ACT: 36

EXPERIENCE

Glassdoor, San Francisco, CA - Software Engineer Intern

June 2017 - August 2017

- Created email templating microservice using Java and Spring Boot to increase modularity of applications and reduce development loop time by over 80%
- Implemented email A/B tests in an enterprise Java system using Hibernate, Redis, SendGrid, and Apache FreeMarker to drive user engagement numbers

Astronomer, Cincinnati, OH - Implementation Engineer Intern

June 2017 - August 2017

Astronomer is a data engineering startup that performs ETL via Node.js and Airflow

- Developed new processes to automate the extraction of data from various REST APIs to increase accuracy and ease of data accessibility
- Transformed and delivered data via Node.js into various data warehouses, like Amazon Redshift and MySQL databases

Hobsons, Cincinnati, OH - Software Engineer Intern

June 2016 - August 2016

- Prototyped and redesigned user interface of legacy mobile app in order to increase usability for target users
 - Initiated mobile automation testing process for web applications using Appium
 - Developed browser-compatible features for the marketing site with HTML, CSS, and JavaScript
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PROJECTS - See full portfolio at macmccann.github.io/projects

Stonefall

I led a team of four Brown students to develop Stonefall, a Java-based real-time strategy game. I created the frontend from scratch, including a complete graphics framework in HTML5 canvas, and helped the backend developers debug issues and understand the algorithms required to implement a multithreaded networking game.

Brown Computer Science Courses

I developed a filtering system to easily sort through Brown CS department courses, which can be accessed at macmccann.github.io/brown-cs-courses

LEADERSHIP

Undergraduate Teaching Assistant

Assisted in teaching CS 1010 (Theory of Computation) at Brown by creating problem sets and leading other TAs

Innovation Dojo President

2016-2017

Coaching students, leading other mentors, organizing events, and reaching out to guest speakers for Innovation Dojo, an entrepreneurial workshop for freshmen and sophomores

Varsity Rowing

3-time youth Midwest champion, Cincinnati Indoor Rowing Champion, 10-person group world record holder

Music

Leader of several music groups, play 5 different instruments

TECHNICAL SKILLS

Programming Languages (in order of proficiency)

Java, JavaScript, HTML, CSS, C, C++, x86 Assembly, Racket, OCaml, Python

Technologies (in order of proficiency)

Node.js, SQL, REST API, Apache FreeMarker, Unix Programming, Airflow, MongoDB, Express