

Amos Jackson

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Education

Brown University (2016 - May 2020): Computer Science A.B. · Slavic Studies A.B. · GPA: 3.96

Relevant Coursework: Operating Systems (with Lab), Programming Languages, Computer Systems, User Interface and User Experience, Data Structures and Algorithms, Discrete Structures and Probability

Experience

Software Engineering Intern, Two Sigma (Summer 2019)

Developed a market risk dashboard, which provided analysts with efficient workflows to interrogate underlying drivers of risk. Manipulated and summarised large datasets to provide high-level insights to users. Coordinated between two stakeholder teams to fulfill all project requirements. Used effective communication to mitigate the effects of the strict permissioning environment.

Weenix, Operating Systems Lab Course, Brown University (Spring 2019)

Developed a Unix-based operating system kernel over the course of the semester, greatly expanding my knowledge of Unix operating systems implementation.

Software Engineering Intern, StreetEasy (Zillow Group) (Summer 2018)

Developed UI for a project with a userbase of up to 7,000 real estate agents. Contributed to the completion of deliverables within the project's tight timeframe. Helped maintain and improve a library of reusable React.js UI components, allowing rapid development of future projects. Gained proficiency in many new technologies (e.g. React.js, GraphQL, Enzyme/Jest testing), as well as in complex real-estate business logic.

Teaching Assistant and then Head Teaching Assistant for CS15, Brown University (Sept-Dec 2017, Mar 2018-Mar 2019)

An introductory object-oriented programming course. Was responsible for the hiring and training of 46 undergraduate TAs as well as the functioning of a 400 student introductory course. Formulated and executed high level changes in the design of the course to aid student's success and enjoyment of the course. Coordinated all course logistics including lectures, labs, assignments and skits. Held TA hours, supporting students socratically to holistically learn the material rather than receive quick bug fixes.

Layout Design for the *College Hill Independent*, a weekly newspaper, Brown University (2017-)

Design within the confines of a publication style guide. Find creative solutions to effectively and aesthetically combine text and illustrations of loosely-defined lengths/sizes. Work under strict time pressure to meet weekly printing deadlines. Use Photoshop to edit illustrative work to best complement the article content.

Other Activities: Escorting at Planned Parenthood, Quidditch, Rock climbing, Tour Guiding, Reading

Skills

Proficient: Unix Operating Systems, Git, C, Java, Python, Javascript, Typescript, React.js, HTML, CSS, Google Apps Scripting, Adobe CC, Live sound mixing and recording, QLab

Basic: Ruby, Ruby on Rails, Racket, Pyret, SCSS, LaTeX, Scala