

# Amos Jackson

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[amos.im](http://amos.im) ————— Seattle (currently), London (originally)

## Projects

### Weenix (Operating Systems lab course)

Independently developed a Unix-based kernel across a semester, including processes/threading, S5FS filesystem and virtual memory.

### Structural racism visualisation project

For a university course, conceptualised and executed a web-based narrative format to visualise and contextualise the racial effects of intergenerational wealth. ([wealth.amos.im](http://wealth.amos.im))

### Website redesign for freelance client

Reworked static site into a responsive, Jekyll-based personal website/blog. ([jonahreider.com](http://jonahreider.com))

## Skills

### iOS development

Proficient Objective-C and Swift with UIKit, strong understanding of accessibility features and considerations on the platform. Basic SwiftUI.

### Web

Significant experience with HTML, CSS, Javascript, React. Basic Typescript.

### Systems

Familiar with C, GDB, Unix operating systems.

### Design

Very familiar with tools such as Indesign, Photoshop, Figma.

### Misc

Strong understanding of Git. Experience in Python, Java, Kusto (KQL).

Я вроде как говорю по-русски)

## Education

### Brown University, B.A. Computer Science and B.A. Slavic Studies, Magna Cum Laude (2016 – 2020)

Relevant coursework: Computer Vision, Operating Systems (with Lab), Programming Languages, Computer Systems, User Interface and User Experience.

## Experience

### Microsoft, Software Engineer (Sept. 2020 – Present)

Working on the Teams iOS app, specifically on calling and meeting features.

### Two Sigma, Software Engineering Intern

(June – Aug. 2019)

Developed a market risk dashboard, which provided analysts with efficient workflows to interrogate underlying drivers of risk. Manipulated large datasets across the application's stack to provide high-level insights to users. Used effective communication to mitigate the effects of the company's strict permissioning environment.

### Zillow Group (StreetEasy), Software Engineering Intern (May – Aug. 2018)

Worked on the front end for a project with an initial userbase of up to 7,000 real estate agents. Contributed to and maintained a library of reusable React UI elements, which supported the team's efficient development efforts. Gained experience in related technologies, such as Enzyme/Jest UI testing and GraphQL.

### Brown University, Head Teaching Assistant and Teaching Assistant (Autumn 2017, 2018 – 2019, Spring 2020)

As Head TA, was responsible for the hiring and training of 46 undergraduate TAs as well as practically all logistics for the operation of a 400-student introductory computer science course (CS15). Formulated and executed high level changes in the course design to improve student retention and success. As a TA, both for CS15 and CS1670 (Operating Systems), developed course content, graded assignments and held office hours.