

Amos Jackson

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amos.im — London (current), Seattle (post-pandemic)

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)

Website redesign for freelance client

Reworked static site into a responsive, Jekyll-based personal website/blog. (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.