Lauren Choi

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Education

Brown University   May 2023
B.S. in Computer Science | 4.0 GPA

Relevant Courses: UI/UX, Web/Mobile Apps, Software Engineering, Statistics, Computer Systems, Cybersecurity, Data Structures/Algorithms, Functional Programming, Linear Algebra, Discrete Structures and Probability

Languages

Proficient: **Java, Python, HTML/CSS, JavaScript, Scala, ReasonML, Dart**

Familiar: **C++, C, SQL, PHP, XML**

Technologies

Tools: **React, TypeScript, Vue, Flutter, Express, Node.js, NativeScript, Bootstrap, Spark, Next.js, Cypress**

Software: **AWS, Docker, Adobe CC**

Organizations

Brown University Women in Computer Science (WiCS)
» Participate in mentorship program to learn about software engineering

Meta-Undergrad Research Assistant
» Advise undergrad CS research and coordinate departmental events

Brown Outing Club
» Attend hiking trips to woods, rivers, and coasts in the Northeast area

Experience

Software Engineering Intern, JPMorgan Chase   6/2021 - 8/2021
» Created production-level portfolio analysis app in **React/TypeScript** to help financial advisors evaluate investments
» Optimized client-side rendering via **Next.JS**; displayed data analyses with **Highcharts**, wrote end-to-end **Cypress** UI tests

Mobile Developer, Brown HCI Lab   1/2020 - 8/2021
» Designed and developed cross-platform app in **Flutter/Dart** to research impact of mood-tracking on mental health
» Architected frontend from start to finish; optimized backend calls by restructuring **SQL/MariaDB** database and endpoints

Frontend Web Developer, Hack@Brown   10/2019 - 1/2021
» Developed website for 400+ attendee hackathon in **React** with **TypeScript** components for future reusability
» Implemented responsive design for mobile/tablet/web with **Bootstrap**; collaborated with design team to finalize UX flow

UX Designer, Girlspring Inc.   5/2019 - 8/2019
» Designed mobile iOS app for women's empowerment website with 10K+ monthly visitors
» Created high-fidelity prototypes in **Adobe XD** to streamline usability testing and prepare for investor proposals

Projects

RAPT   4/2021
» Crafted **React** web app to help health care providers design interventions; integrated fully web-accessible, responsive UI
» Routed frontend to **Node.js** server hosted on **AWS** instance

Maps   3/2021
» Created full-stack primitive Google Maps app rendering interactive map of Rhode Island in **Java/FreeMarker/Spark**
» Cached live traffic data to find shortest path between 2 points

Search   4/2020
» Developed **Scala** search engine to index and query **XML** wikis
» Implemented PageRank algorithm and TF/IDF term-weighting to return top 10 results; connected user REPL

Honors

Best Mobile Hack, Spectra 3.0 Hackathon   2019
iOS app selected as best mobile hack out of 20 teams at all-women hackathon with judges from Twilio and MongoDB

National Finalist, Google Play's Change The Game   2019
Selected as one of 5 national finalists from 1,100+ applicants for game design challenge with judges from EA and Warner Bros

National Semifinalist, NCWIT Aspirations in Computing   2019
Awarded as one of top 300 applicants (out of 4,300+) for interest in computing, leadership, and progression in computing skill