ALEENA WATSON   SOFTWARE ENGINEER

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EDUCATION

Bachelor of Science in Computer Science and Mathematics, Double Major   **2014 - 2019**
Portland State University, Portland, OR
Applicable Courses:
Data structures, algorithms & complexity, programming languages, programming systems, computational structures, full-stack web development, databases, statistics for engineering, graph theory, applied linear algebra, discrete mathematics, number theory

Scrimba Bootcamps   **Summer 2019 - Current**
 Online bootcamps in JavaScript/ES6 and in React

TECHNICAL SKILLS

Programming & Databases:	C++, Python, C, JavaScript, Swift, SQL, PostgreSQL
Libraries & Platforms:	HTML/CSS, Bootstrap, React, UIKit, Node, Express, iOS
Other:	Linux, Xcode, design patterns, snapshot testing, unit testing, requirements elicitation

EXPERIENCE

eBay, Software Engineer Intern - Mobile iOS Payments   **Summer 2018**
- Pioneered the engineering initiative of refactoring iOS codebase from Objective-C to Swift for the payments team by refactoring the Checkout's Coupon flow
- Learned Swift without prior knowledge as well as design patterns, to build custom UI elements from scratch for Coupon views
- Built widely-used components such as dynamic buttons, text components with localization, and text entry boxes in Swift, with backward compatibility to Objective-C code for versions up to iOS 6
- Product shipped worldwide to all iOS devices (iPhone and iPad) in September 2018

Cozy Co., Software Engineer Intern - Databases/Full Stack | Github   **Summer 2017**
- Worked on a team of 10 engineers to optimize payment queries, including queries to help the speed of payment flow; initiatives resulted in payments processing from 2-3 days to 24 hours
- Learned PostgreSQL/SQL from scratch; identified slow SQL queries during rent due-dates (database high-traffic times)
- Took initiative to identify atypical bottlenecks causing efficiency slowdowns; implemented changes after buy-in from CTO
- Rewrote queries in SQL independently, then implemented it in Ruby via pair programming with team; then proposed to build a responsive web app to track slow SQL queries in real-time as an additional capstone project; approved by CTO
- Learned HTML/CSS/JavaScript for the first time to implement SQL tracker app; which is in use today as an internal query tracking tool

PROJECTS

Portfolio Website, aleena.io - Full Stack (individual project) | Github | HTML/CSS/JavaScript, Node, Express   **Summer 2019 - Current**
- Full-stack portfolio website to showcase media from my work at PSU, where I mentored students of color and women, as well as a running gallery of personal photography
- Passion project to continue learning full-stack and apply new skills, built to be responsive (viewed on any device)

Yoga Generator - Full Stack (individual project) | Github | React, Google APIs, JavaScript/ES6   **Summer 2019 - Current**
- Pulls random yoga video from YouTube and serves it to the user, resolving the friction of finding a yoga class online
- Passion project to learn React for the first time using knowledge learned from Scrimba bootcamps

Jama-Slack Integration Capstone - Back End (group project) | Github | Python 3   **Summer 2018 - Winter 2019**
- Tech Lead of a team of 6; developed a Jama-Slack integration to log Jama items and to do's from Slack
- Spearheaded minimum viable product of comment, display, and new Jama item 3 months before the MVP deadline
- Trail-blazed through stretch goals of Jama-Bot, OAuth, & attachments and completed all stretch goals 1 month before the deadline
- Integration tool deployed internally at Jama Winter 2019; Jama plans to convert it to be enterprise-ready for their clients

RECOGNITION

The Face of CS and Math Departments at Portland State University   **Summer 2018 - Present**
http://aleena.io/media
- Elected '*Face Computer Science & Math Departments*' for my double major, and for mentoring underrepresented students in STEM
- Media included poster up at Portland International Airport, ads on Portland buses, and 4k video for the 2019 graduation ceremony
- Photo posted to LinkedIn reached 1,000,000 views, over 500 comments, and generated over 2500 new connections on LinkedIn