SARAH ZHANG

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EDUCATION

Northeastern University | Boston, MA   Expected May 2019

B.S. Computer Science & Cognitive Psychology

Honors: National Merit Scholar

Relevant Coursework: Algorithms & Data Structures, Database Design, Object-Oriented Design, Artificial Intelligence, Software Development, Human-Computer Interaction, Statistics

SKILLS

Languages - Java, HTML, CSS, JavaScript, SQL

Frameworks & Tools - React, Spring, JUnit, Git

Design - Photoshop, Illustrator, Adobe XD

PROJECTS

Podcast Recommender | *https://github.com/sazhang/podfavs*   Ongoing
- Built an app that generates content-based recommendations and lets users save the results
- Automated web scraping with Selenium and stored the data in a graph DB hosted on an EC2 instance
- Integrated Okta Authentication API to register and verify users and to control URL access
- Deployed iterations of the app to AWS Elastic Beanstalk
- **Tools**: Java, Spring, JUnit, Maven, Neo4j, React, Tailwind CSS, Emotion, Visual Studio, AWS

Portfolio Website | *https://github.com/sazhang/gatsby-portfolio*   Spring '19
- Built a static progressive web app that programmatically creates pages by querying data with GraphQL
- Used Gatsby plugins to optimize the quality of the web page, achieving high scores for performance, accessibility, and SEO in Lighthouse audits
- **Tools**: GatsbyJS, React, Tailwind CSS, Emotion, Visual Studio, Google Analytics

Santorini Game | *Software Development Final Project*   Fall '18
- Implemented a client-server application that supports round-robin tournaments in which remote players participate in series of games that are supervised by referees and a tournament manager
- Facilitated communication between the server and multiple clients utilizing socket programming to send JSON messages over TCP connections
- **Tools**: Java, org.json, JUnit, Maven, IntelliJ IDEA

EXPERIENCE

Hutchinson Lab of Cognitive Neuroscience | *Research Assistant*   Jan '18 - June '18
- Ran studies to investigate visual statistical learning mechanisms using an incidental encoding paradigm

Lifespan Emotional Development Lab | *Research Assistant*   Sept '16 - Aug '17
- Ran studies with student and elderly participants to examine age differences in emotion regulation strategies by assessing video game selection, gameplay, and mood changes across valence categories
- Analyzed behavioral data in SPSS and eye tracking data in D-Lab
- Volunteered at the Museum of Science, Boston for three months to recruit research participants and conduct experiments exploring age differences in self-selection of emotional media content

ACTIVITIES

NU PsyClub | *President*   Fall '17 - Fall '18
- With two other board members, organized and promoted club meetings and campus-wide events aimed at helping undergraduate psychology majors navigate their academic and career journeys
- While serving as PR officer and VP in prior semesters, created ad materials, initiated social media and email campaigns, and photographed events