# SARAH ZHANG

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## EDUCATION

**Northeastern University** | Boston, MA          May 2019
B.S. in 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 in Psychology
*Activities*: Psychology Club - President; Civic Engagement Program

## SKILLS

**Languages** - HTML, CSS, JavaScript, Java, SQL

**Frameworks** - Cypress.io, Gatsby.js, JUnit

**Tools** - Git, IntelliJ, VS Code

**Design** - Adobe XD

## PROJECTS

**Digital Media Portfolio |** *https://github.com/sazhang/eva-portfolio*          Fall '19
- Built a static progressive web app using Gatsby.js to showcase media work of a video journalist
- Programmatically created pages from markdown files and used GraphQL to query data
- Achieved high scores for performance, accessibility, best practices, and SEO in Lighthouse audits

**Podcast Recommender |** *https://github.com/sazhang/podfavs*          Spring '19
- Built a RESTful service with Spring to generate content-based recommendations when queried
- Scraped websites using Selenium WebDriver to collect data such as ratings, keywords, and descriptions
- Used Spring Data to persist and query data stored in a Neo4j graph database hosted on an EC2 instance
- Developed a responsive web app using React.js, Emotion (CSS-in-JS), and Tailwind CSS
- Deployed iterations of the app to AWS Elastic Beanstalk

**Santorini Game |** *Software Development Final Project*          Fall '18
- Implemented a client-server application in Java that supports round-robin tournaments in which players participate in a series of games that are supervised by referees and a tournament manager
- Utilized socket programming to send JSON objects over TCP to facilitate communication between the server and multiple clients

## EXPERIENCE

**The Honest Company |** *Software QA Temp*          June '19 - Present
- Create a test automation framework using Cypress.io for the replatformed e-commerce ecosystem
- Build, maintain, and document automated test cases, following SOLID, DRY, and BDD principles
- Work with internal and external stakeholders to assess and prioritize defects
- Prior to the MVP launch, executed end-to-end tests to identify and report launch critical bugs in the new e-commerce platform, order management system, and third-party service integrations

**Hutchinson Lab of Cognitive Neuroscience |** *Research Assistant*          Jan '18 - June '18
- Ran studies investigating 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