

Shijie Rao

Software Engineer & Designer

shijierao.com

484-753-1211

bobbyshijie@gmail.com

Education

Carnegie Mellon University | 2017

B.S. in Information Systems

Minor in HCI

Cumulative GPA: 3.51/4.00

Dean's list (fall 2014, spring 2016)

Skills

Programming

Html, CSS, JS, React

Node.js, Ruby on Rails, .Net

Java, Python, SQL

Design Tools

Sketch

Figma

InDesign

Illustrator

InVision

Languages

English

Chinese

Activities

Applied Predictive Technologies

CMU Recruiting

Created bootcamp for new hire onboarding APT technology stack

Carnegie Mellon University

Grader for the Math Department

American Red Cross CMU Chapter

Experience

Frontend Software Engineer, Applied Predictive Technologies

August 2017 - Present | Arlington, VA

Created an app that combines the Test & Learn modeling flow into a single workspace using React, .Net and SQL.

Collaborated with UX team on user interview, prototyping and creating mockups for the workspace.

Validated and implemented new modeling algorithms to predict customer retention rate for financial institutions.

Software Development Engineer Intern, Amazon

May 2016 - August 2016 | San Francisco, CA

Created the artist detail page for Amazon Music Web Store mobile and tablet view using Java Spring framework and JSP. Integrated internal music APIs with the Amazon retail website.

Worked closely with UX team to create layout, redesign artist detail desktop view, and improve Amazon Music user experience.

Projects

Freeman, Personal Project | freeman-app.herokuapp.com

March 2018 - May 2018 | Arlington, VA

A music transfer app that lets users switch between different streaming platforms by migrating tracks and playlists, and personalizing the new library.

Implemented the application using React, Typescript and Node.js. Also integrated Apple Music API and Spotify Web API for user data.

Conducted user interviews and created a prototype using Figma.

Carekit, Class Project

October 2016 - November 2016 | Pittsburgh, PA

A web application that provides a GUI for health professionals with no programming background to design and deploy a Facebook chat bot to increase student engagement on health issues.

Amazon Checkout Experience Design, Personal Project

March 2016 | Pittsburgh, PA

Collaborated with a fellow graphic designer to create a mockup of a reimagined Amazon checkout flow that focuses on maximizing retention throughout the buying process.