

Education

Rice University

Aug 2017 - May 2021
Houston, TX

- BS Computer Science, GPA: 3.6/4.0

Relevant Coursework

- Algorithms, Operating Systems, Databases, Parallel Programming, Functional Programming, Computer Engineering, (upcoming) Machine Learning

Work Experience

HubSpot *Software Engineering Intern - Monetization Backend*

Summer 2020
Remote

- Ownership of revenue generation project for startup market, driving discussions with multiple teams
- Develop backend Java application to connect business development team to startup customers
- Design and deploy multiple APIs and clients with unit, integration & acceptance tests
- Develop databases by defining schema, data access objects & automated jobs using SQL and Java

OpenStax *Backend Development Intern - Biglearn/Tutor*

Summer 2019
Houston, TX

- Built Rails application with automated testing for endpoints, impacting 4,000 students/semester
- Transitioned database to AWS Aurora Serverless for scalability with load-testing & autoscaling
- Worked in intern team to build & pitch new note-taking app to investors using Google API

Rice University, Dept. of Computer Science *Teaching Assistant*

Fall 2019
Houston, TX

- TA for Algorithms II: led office hours and discussion of labs, homework, and exams

Software Development Skills

Programming Languages & Frameworks

- Proficient: Python, Java, C, SQL, Ruby on Rails, Git, Linux, AWS
- Basic: Elm, JavaScript, HTML, React, ReasonML/OCaml, Hasura's Postgres + GraphQL

Projects

Lentil - A Web-Based Musician's Feedback Service *Independent Project* [repo](#) [demo](#)

2018 - present

- Develop full-stack application for use by musicians and teachers (ReasonML, React, Postgres)
- Musicians submit recordings and receive feedback on specific points in recording

NBA 3-Point Data Analysis

2020

- Designed & implemented program to determine which teams would benefit most by moving 3-point line (SQL)
- Processed over 20,000 rows of historical player and game statistics from NBA database

Hidden Markov Models and Part-of-Speech Tagging (NLP)

2018

- Built model that assigns part-of-speech tags to words in input text (Python)
- Implemented statistical learning of hidden Markov model using training set of pre-tagged sentences

Physics Sunset *Independent Project* [repo](#) [demo](#)

2017

- Designed and implemented browser-based interactive graphical simulation of physics problem (ReasonML)

Awards

Rewriting the Code *Fellow* [more](#)

2019 - present
US/Canada

- US/Canada-wide competitive award for females in CS: coaching, networking educational programming

Leadership and Activities

- Public Relations Director & member of Club Tennis, Rice University 2017 - present
- CSters (Women in Computer Science) and CS Club, Rice University 2017 - present
- Music: sing, record, perform, take lessons [soundcloud](#) [youtube](#) 2007 - present