

STAR SU

star_su@brown.edu | 734-834-9466

EDUCATION

Brown University, Bachelor of Science, Computer Science

Providence, RI | Fall 2017 - Spring 2021

GPA: 3.9

Functional Programming, Data Structures & Algorithms, Computer Systems, Software Engineering, Artificial Intelligence, Computer Graphics*, Software Security*, Distributed Computer Systems*, Discrete Structures and Probability, Linear Algebra, Data Computing and Analysis*

* **Current coursework**

EXPERIENCE

Research Developer & Designer

University of Michigan CROMA Lab | Ann Arbor, MI | Summer 2019

- Examined interaction-level dynamics of teams with respect to specific task loads and types
- Designed simulation in d3.js and JavaScript to visualize optimal structure of team networks
- Won Brown's LINK/SEW Award to pursue research with Dr. Walter Lasecki

Undergraduate Researcher

University of Chicago | Chicago, IL | Summer 2018

- Generated MATLAB scripts to automate discovery of genetic information in MRI images
- Co-authored "Association of geometric features with genetic markers in glioblastoma multiforme"
- Presented project at 27th annual ISRM conference

Undergraduate Teaching Assistant

Brown Computer Science Department | Providence, RI | Fall 2018 - Present

- Taught concepts in office hours and labs (4 hrs/wk)
- Help students debug and understand complex programs in Java, C, Scala, OCaml
- Implemented Bash scripts to streamline evaluation of student work by 30%
- Developed and graded homework problems & projects for over 300 students

Past: Intro to Functional Programming, Intro to Data Structures & Algorithms

Current: Intro to Computer Systems

PROJECTS

view on shinelikastar.github.io

Maps

Software Engineering | Java, SQL, HTML/CSS, JavaScript | Spring 2019

- Built a full stack, interactive GoogleMaps clone with a partner
- Implemented path-finding using k-d trees and Dijkstra's algorithm
- Features include dynamic tiling, autocorrected address lookup, real-time traffic updates

Raisin' Bread

Software Engineering | Javascript, HTML/CSS | Spring 2019

- Created a Chrome extension that turns browser productivity into a game of raising dough
- Constructed robust NLP algorithm to evaluate productivity of websites
- Developed compelling animations in Adobe Photoshop and D3.js

Download it at tinyurl.com/raisin-bread-full

Shell

Computer Systems | C | Fall 2019

- Implemented a limited version of Linux Shell to execute built-in and external commands
- Features include file redirection, signal handling, & foreground/background jobs

SKILLS & INTERESTS

Programming Languages | Java, Python, JavaScript, HTML/CSS, C, Scala, OCaml, SQL

Design | Photoshop, Illustrator, InDesign, Animate, Unity, Interface & Visual Design

Writing | Staff writer covering culture & food at **The College Hill Independent** for two years

Skating | Figure skater for eleven years, regionals champion and 2x national competitor