STAR SU

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EDUCATION

Brown University, Bachelor of Science, Computer Science
Providence, RI | Fall 2017 - Spring 2021

GPA: 3.9 / 4.0
Relevant Coursework: Functional Programming, Data Structures & Algorithms, Multivariable Calculus, Linear Algebra, Discrete Structures & Probability, Computer Systems, Artificial Intelligence, Software Engineering

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 frontend simulation to visualize optimal emergent structure of a team network
- Awarded Brown's LINK/SEW Award to pursue research under Professor 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"
- Submitted Sept 2018 to SPIE and ISRM conferences

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

- Taught concepts ranging from algorithms to assembly language in weekly office hours and labs
- Help students debug and understand complex programs in Java, Scala, OCaml, DrRacket
- Implemented Bash scripts to streamline evaluation of student work
- Developed and graded homework problems & projects for a class of over 170 students

Past: Intro to Functional Programming, Data Structures & Algorithms | **Current**: Computer Systems

PROJECTS

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

SKILLS & INTERESTS

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

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

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

Editorial | Managing editor of Brown/RISD's Asian American visual arts & literary magazine