Bradley Chen

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EDUCATION

B.S. in Information Systems, Minors in Business Administration and Global Systems and Management
Carnegie Mellon University

08/2017 – 05/2021   *Pittsburgh, PA*

Courses

- Database Design and Development
- Application Design and Development
- Information Systems Consulting Project
- Economics and Data Science
- Principles of Imperative Computing
- Optimization for Business
- Methods of Statistics and Data Science

WORK EXPERIENCE

IT Intern - Product Data Technology
Steelcase

05/2019 – 08/2019   *Grand Rapids, MI*

World's largest producer of office furniture and technology products for office environments and the education, healthcare, and retail industries.

Achievements/Tasks

- Designed a tool in SAP assisting in the elimination of Steelcase's custom implementation of multi-level configuration (Programmatic Instantiation)
- Estimated to save 150-300 hours of labor per plant

Head Full-Stack Developer Intern
fortissimo

05/2018 – 08/2018   *San Jose, CA*

Web application enabling users to order food, with a portion of their purchase being donated to those in need

Achievements/Tasks

- Led a team of developers to design and implement a user-centered ReactJS web application from the ground up

Software Intern
NASA Ames Research Center

06/2016 – 08/2016   *Mountain View, CA*

Achievements/Tasks

- Worked in the Space Biosciences Department assisting researchers in their statistical analysis
- Designed a tool in Java that filters extraneous data

SKILLS

Python   C   Java   SQL (Database Design)

NoSQL (MongoDB, Redis)   R   HTML/CSS

Ruby on Rails   SAP/ABAP   DevOps   Agile SDLC

PROJECTS

Agile Space Manager - Steelcase (05/2019 – 08/2019)

- Worked in a team to create a web application assisting in intelligently placing and scheduling agile Steelcase teams in work studios using data visualizations, recommendation algorithms, and intuitive user interfaces
- Designed database using Azure SQL Database and developed logic in the backend
- Collaborated with a client to analyze her business needs and develop an appropriate solution

Deloitte Case Competition - Deloitte LLP (03/2019)

- Worked in a team to examine a business case
- Demonstrated problem solving competencies for practical social impact challenges and presented solutions to Deloitte executive team

Venmo Database Re-engineering - Carnegie Mellon University (11/2018 – 12/2018)

- Re-engineered Venmo's database from the perspective of the company as an early stage startup
- Transformed user stories to a conceptual model, then to a logical model, then to a physical model, then finally into working SQL queries using PostgreSQL

Leap Scroller - Carnegie Mellon University (11/2017 – 12/2017)

- Designed a side-scrolling platform video game in Python controlled with a Leap Motion Controller, a computer hardware sensor device capable of accepting hand and finger motion as input
- Developed algorithms to determine the position of the hand and certain hand gestures like a fist or an open hand