

Connor Buckley

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Education

University of Southern California, Los Angeles, CA

May 2020

- B.S. in Computer Science, GPA: 3.5

Skills

Programming Languages: Java, C++, Python, C, JavaScript, HTML, CSS

Software/Tools: Linux, Pandas, NumPy, jQuery, MySQL, Git, Travis CI, Firebase, Tableau, AutoCAD, SolidWorks

Experience

E15 Group

June 2019 - Present

Artificial Intelligence Intern

- Built simulation software fueled by customer transaction data to model concession stands at sports venues
- Utilized simulation software to evaluate the impact of operational decisions on key performance metrics
- Created a Python application to visualize the simulation, showing customer flow as well as key performance indicators
- Utilized Python libraries including Pandas, NumPy, and Matplotlib to load, manipulate, analyze, and save data

University of Southern California - Viterbi Conversations in Ethics

Jan 2019 – Present

Editor

- Filtered hundreds of student submissions to a selection of around five papers to be featured each semester
- Wrote weekly blog posts reviewing trending news articles in engineering with ethical implications

The Northridge Group

May 2018 – Jan 2019

Data Analyst Intern

- Created interactive dashboards and data visualizations with Tableau for internal analysis as well as client deliverables
- Researched and developed an automation system for secure file encryption and transfer using Python scripts
- Utilized Tableau and Excel Pivot Tables to find actionable insights from complex datasets

Wise Plastics Technologies

May 2017 - Aug 2017

Manufacturing Engineering Intern

- Designed two full plant layouts, using AutoCAD, of main production factories
- Utilized plant layouts to model and plan out a full building expansion plan
- Designed and structurally analyzed a multilevel mezzanine using SolidWorks

Projects

I'm Hungry

Feb 2019 - Apr 2019

github.com/ctbuckley/ImHungry

- Worked with a team of five to build a web application that finds recipes and local restaurants for a specified food query
- Incorporated APIs and web-scraping on the back-end to load relevant recipes and restaurants
- Utilized software engineering best practices including test-driven development, Git, Travis CI, and Scrum
- Wrote JUnit test cases to achieve 100% branch coverage of all back-end code
- Technologies: Java, JUnit, JavaScript, MySQL, Git, jQuery, AJAX

Darker Notes

Sept 2018 - Dec 2018

github.com/ctbuckley/DarkerNotes

- Led a team of 4 to develop a note-taking web application with Markdown and LaTeX support
- Managed database storage and interaction through MySQL including login, notifications, and saving files
- Connected all front-end code to back-end Java code through AJAX and jQuery
- Technologies: Java, JavaScript, MySQL, Git, jQuery, AJAX