

BENJAMIN HUNG

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EDUCATION

University of Illinois at Urbana-Champaign

Expected Graduation: May 2022

Bachelors of Science in Computer Engineering

GPA: 3.78/4.00

Relevant Courses: Data Structures, Applied Parallel Programming, Computer Systems Engineering, Distributed Systems

PROJECTS

FFAnalysis (JavaScript, Python, React, Flask)

Summer 2020

- Built a web application that analyzes NFL players' statistics for Fantasy Football
- Utilized JavaScript + React to create a front-end interface featuring a player's statistics, along with graphs showcasing those statistics in context
- Created a REST API using Python + Flask to act as a back-end to retrieve player data from a JSON file

Book Management System (Java, Swing, PostgreSQL)

Summer 2020

- Developed a management system to keep track of various statistics about books read using Java
- Features include addition/deletion of books, average rating, and number of books read
- Utilized PostgreSQL to create and manage the database in which book information is stored
- Created a GUI for the system using Swing, which allows the user to control the addition and deletion of books stored in the database

Invest.io (Python, NodeJS)

Spring 2019

- Tracked market trends to analyze the risk of investing in different S&P 500 stocks
- Scraped recent news articles for user-inputted stocks to determine general market sentiment
- Formatted analytical information into easy-to-understand visual aids
- Utilized Python APIs: ParallelDots, Beautiful Soup, and Pandas

Vision (Python)

Spring 2019

- Developed a wearable device to facilitate the movement of the visually impaired
- Embedded TensorFlow Python API into a Raspberry Pi to recognize objects
- Utilized camera module and Alexa speaker to give corresponding advice about user's environment
- Competed in the COZAD New Venture program, an entrepreneur competition
- Co-winner of the Amazon Alexa prize for best Alexa-enhanced products

TECHNICAL SKILLS

Languages

C++, C, Java, Python, JavaScript, SQL, x86 Assembly, HTML, CSS

Technologies

ReactJS, Flask, PostgreSQL, CUDA, Git, Linux, Quartus, OpenACC