THOMAS KAHNG

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EDUCATION

The University of Texas at Dallas   Bachelor of Science, Computer Science   August 2020 - December 2023

Relevant Coursework: Data Structures and Algorithms, UNIX Programming, Computer Architecture, and Probability and Statistics
Overall GPA: 3.8

WORK EXPERIENCE
June 2021 - Present

Self-Employed Software Developer
- Developed side projects and apps using PyCharm IDE and Jupyter Notebook platforms for coding.
- Developed Android apps using AndroidStudio platform and the Kotlin language.
- Used the BeautifulSoup, Selenium, MatPlotlib, and Flask frameworks to build web scraping tools, automation bots, simple full stack web applications, and data science projects.
- Featured Python Projects: "Stock Recommendation and Trend Finder" and "House Price Searcher" (see the "Projects" section for explanation and GitHub repo link).

PROJECTS
Houe Price Collector   December 2021
Project link
- Enabled Python automation using the PyCharm platform by incorporating the Selenium framework.
- Enabled web scraping by incorporating the BeautifulSoup framework and using that framework to get information of available houses of a specified city and their prices Zillow.
- Automatically opened a Google Form to save the renting information so it can be later added to a Google spreadsheet owned by the owner of the form, in addition to saving information onto a .csv file.

Stock Recommendation and Trend Collector   November 2021
Project link
- Submission for Hack UTD VIII in fall 2021 as a part of the Goldman Sachs challenge
- Full stack application which implemented Python for backend, along with and HTML and CSS for frontend.
- Used Python's Flask framework to link backend and frontend. Also used Python's Matplotlib framework to plot the analysts' annual recommendations of stock actions, along with the candlelight chart of the stock's annual price correlation.

Capture the Bit   April 2021
Project link
- Used the MIPS assembly programming language to create a simple game where the player uses keys to move their character to capture a bit near 1 of 4 edges of the screen.
- Incorporated Bitmap, the UI component of MIPS, in order to generate a user interface and make simple gameplay possible.
- Final academic project for CS 2340 (Computer Architecture) class at the University of Texas at Dallas.

HONORS
Academic Excellence Scholarship   December 2019
- $3000 per year 4-year scholarship to the University of Texas at Dallas.
- Awarded to prospective incoming freshmen for demonstration of academic excellence.

SKILLS
Languages: Java, Python, Kotlin, Assembly, HTML, and CSS
Frameworks and Tools: Pandas, Selenium, BeautifulSoup, Flask
Platforms: PyCharm, Android Studio, MIPS Assembly Runtime Simulator, Jupyter Notebook
Interests: Automation, Data Science, and Backend Development