

Will Burnham

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EDUCATION

University of Houston Houston, TX

August 2018- May 2021

Bachelors of Science in Computer Science, Minor in Mathematics GPA: 3.1/4.0

EXPERIENCE

TDECU Infrastructure Department, Sugar Land, Tx

February 2020-Present

Information Technology Intern

- Leveraged SCCM and Active Directory to manage user accounts and devices.
- Used Python to create scripts to automate tasks and improve workflow.
- Used knowledge of networks and cyber security to obtain the CompTIA Security+ certification.
- Created technical documentation with direction

University of Houston Computer Science Department, Houston, TX

January 2020-Present

Volunteer Research Assistant – Dr. Rizk's Data Mining Lab

- Analyzed research papers to gain better understanding of student dropout causes.
- Assisted in the creation of mathematical models to solve problems related to student attrition.
- Implemented data science algorithms in order to gain information and solve problems.

Coder Kids LLC, Houston, TX

August 2018-February 2020

Lead Coding Instructor

- Provided instruction of the Python and Scratch programming languages to beginner level programming students.
- Leveraged technology and created problem visualizations in order to better assist students.
- Managed 15 assistant instructors, assured the quality of their instruction, and trained them to become lead instructors.

PROJECTS

Portfolio Website – A website created to showcase my web applications and resume

- Created a portfolio website using Python/Flask/mysql/HTML/CSS that displays my personal projects.
- Integrated command line Python projects into a website and gave them an interface.
- Deployed website to a live Heroku server.

Bad Weather Notifier – A Python/Open Weather Map API/SMTP application

- Used the Open Weather Map API to gather weather data in my most frequented cities, developed a class to organize weather data in each city and to efficiently search for bad weather indicators, and setup an SMTP server to send an email a day in advance when bad weather is detected.

Real Estate Data Collector – A Python web scraping application

- Used BeautifulSoup to gather and organize data from a real estate website, extracted necessary information and exported it to an excel spread sheet, and converted the spread sheet to html for the ability to view in the browser.

INVOLVEMENT

Sigma Nu Fraternity

Member

- Participated in philanthropy events such as food drives, animal shelter visits, and servicing low income areas of Houston.
- Assisted in fundraising efforts by cold calling, marketing our brand to students, and recruitment in order to drive revenue.

Coogs of CV3 Spirit Organization

Member

- Participated in spirit missions aimed to engage student body
- Assisted in the creation of video content to raise awareness for sporting events.