

Charles Grealy

charlesgrealy.dev

(713)560-0967

charlesgrealy@gmail.com

github.com/gnarlee-gee

linkedin.com/in/charlesgrealy

EDUCATION

University of Houston

Houston, TX

Bachelor of Science in Mathematics

January 2016 — May 2020

- Minor: Computer Science
- Cumulative GPA: 3.26/4.00

SKILLS

Languages: C++, Python, JavaScript, HTML/CSS, SQL (PostgreSQL)

Tools/Other: Git/GitHub, Unix/Linux (Debian/Ubuntu), Microsoft Windows

PROJECTS

Personal Website

- Designed a personal website utilizing JavaScript, HTML, and CSS on the front end
- Developed the back end with Django in order to construct a blog hosted on a PostgreSQL database to effortlessly create, retrieve, update, and delete posts

Python Interpreter

- Collaborated towards the execution of a Python interpreter written in C++
- Implemented a grammar parser that validates list expressions with addition, variable assignments containing arithmetic expressions, and if/else statements

WhatsApp Stock Portfolio Chatbot

- Programmed a chatbot using Flask and the Twilio API to interact with users
- Incorporated a PostgreSQL database to store a user's stock portfolio and deliver market prices instantaneously by issuing calls to the IEX Cloud API

EXPERIENCE

Coder Kids

Houston, TX

Lead Instructor

January 2020 — Present

- Educated 40+ students in first through eighth grade in programming fundamentals through the use of tablet apps, Python, and Scratch
- Translated complicated programming principles in a comprehensive manner by creating distinctions between programming and real-life activities
- Provided an open learning environment which increased engagement between technical and non-technical students

Lennar (formerly Ryland Homes)

Houston, TX

IT Technical Support

February 2012 — September 2014

- Administered technical support by phone, email, and on-site consultations for 150+ employees
- Overhauled hardware problems including modems, routers, and other networking issues at the main office and interactive sales offices around Harris, Montgomery, and Fort Bend counties
- Managed new office configurations and ongoing maintenance of the offices