

# Charles Grealy

[charlesgrealy.dev](http://charlesgrealy.dev)

(713)560-0967

[charlesgrealy@gmail.com](mailto:charlesgrealy@gmail.com)

[github.com/gnarlee-gee](https://github.com/gnarlee-gee)

[linkedin.com/in/charlesgrealy](https://linkedin.com/in/charlesgrealy)

## EDUCATION

---

### University of Houston

January 2016 — May 2020

Bachelor of Science in Mathematics

Houston, TX

- 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

January 2020 — Present

Lead Instructor

Houston, TX

- 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 students

### Lennar (formerly Ryland Homes)

February 2012 — September 2014

IT Technical Support

Houston, TX

- 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 Houston and surrounding cities
- Lead new office configurations and ongoing maintenance of the offices
- Managed technology inventory to ensure surplus available in case of irreparable devices or onboarding new employees