

# Carter Prince

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## Work Experience

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### Codivate, Volunteer Tutor

*August 2021 – November 2021*

- Taught students to write code in the Python programming language.
- Learned to communicate abstract programming concepts in a way that others can understand.
- At the end of the course, students were able to create a simple Tic-Tac-Toe game in Python.

## Skills and Technologies

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- **Python** – pandas, plotly, NumPy, Selenium, BeautifulSoup, requests, PIL/Pillow, Tkinter
- **Java** – JavaFX, GSON
- **R** – ggplot2, plotly, dplyr
- **C, C++**
- **Operating Systems:** GNU/Linux (Ubuntu, Debian, Arch), Windows, MacOS
- **Version Control:** Git
- **Shells:** Bash, Zsh
- **Typesetting:** L<sup>A</sup>T<sub>E</sub>X

## Education

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### B.S. in Computer Science, University of Georgia

*August 2022 – Ongoing*

- Relevant coursework:
  - [Intro to Computing and Programming](#)
  - [Foundations of Informatics](#)
  - [Software Development](#)
  - [Discrete Mathematics for Computer Science](#)
  - [Systems Programming](#)
  - [Intro to Theory of Computing](#)
  - [Data Structures](#)

### High School Diploma

*August 2018 – May 2022*

*North Hall High School, IB Graduate*

## Projects

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### [spy](#) *October 2023*

- Generates an interactive plot showing how S&P 500 stocks have moved over the last 6 months.
- Written in Python, uses the `pandas`, `plotly`, and `yfinance` libraries.

### [pdf2txt](#) *April 2023*

- A program that converts a PDF file to plaintext using the Poppler library.
- Written in C with multithreading, intended as a fast drop-in replacement for the Python version called `pdftotext`.

### [PasswordGenerator](#) *July 2023*

- A command-line password generator written in C#.
- Generates passwords based on 10,000 English words to aid in memorization.

### [schedule](#) *January 2024*

- A fast routine timer written in C; made to be minimal on system resources.
- Prints the time remaining until the next event, specified in a config file.

### [disney](#) *August 2023*

- A Python program to send a notification when a reservation is available at Disney World for a given set of restaurants.
- I created this to help my parents plan their Disney trip.

### [wf-shell](#) *January 2024*

- Made minor contributions in C++ to enhance the usability of the shell.

### [notable-people-map](#) *April 2024*

- Generates an interactive map of where notable people in STEM and Philosophy were born.