Carter Bassler

203-914-5700 | carterbassler@gmail.com | carterbassler.com

EDUCATION

University of Virginia   Charlottesville, VA
Bachelor of Arts in Computer Science   *Aug. 2021 – Present*
- **Major GPA** : 3.7

Washington University in St. Louis   St. Louis, MO
Bachelor of Science in Computer Science   *Aug. 2020 – June 2021*

EXPERIENCE

Bank of New York Mellon   New York, NY
Software Engineer Intern   *Jun 2023 – Aug. 2023*
- Developed a Microfrontend for BNY Mellon's WMT Private Banking Division using Angular, enhancing user interface and experience for wealth management desktop applications
- Assisted in the development of robust APIs with Spring Framework, integrating them with the frontend for seamless data transfer and optimized operations
- Implemented error handling mechanisms for deployed applications, resolving pipelining errors, thus improving application reliability and stability

Fermat Capital Management   Westport, CT
Software Engineer Intern   *Jun. 2022 - Aug. 2022*
- Produced .NET Core web application to automate the filtration of CAT Bond data in order to more efficiently use company time and resources
- Constructed an ML model intended to classify correct bond data using Multi-Class Text Classification that runs with 92% accuracy
- Developed intuitive and adaptive code using LINQ and REGEX to handle string manipulation more efficiently

Fermat Capital Management   Westport, CT
Software Engineer Intern   *Jun. 2021 - Aug. 2021*
- Developed JavaScript Web Application to visually represent insurance loss in categorized fashion
- Utilized Google Maps API to upload and visualize datasets in order to help facilitate decisions
- Handled asynchronous calls and worked with Threads and Promises

PROJECTS

ImperiumFit | *Flutter, Dart, Firebase*
- Created full-stack workout tracking mobile application utilizing Flutter and Dart incorporating state management, successfully launched on the iOS App Store
- Implemented features such as workout tracking, exercise addition, and set management to provide an interactive and user-friendly experience
- Integrated Firebase Firestore for real-time data handling, enabling users to persist and retrieve their workout data. Implemented Firebase Authentication to provide secure user access control

Music Helper App | *Next.js, Spotify API, NextAuth*
- Developed a web application using Next.js, integrating with the Spotify API to enable user authentication
- Created an "Anytime Spotify Wrapped" functionality, allowing users to visualize and understand their listening habits by showcasing their most played music
- Engineered a unique "save" feature, allowing users to retain their Discover Weekly playlists, circumventing Spotify's weekly reset and preserving curated music

Sports Betting API | *Python, FastAPI*
- Designed and implemented a REST API using FastAPI in Python to aggregate and process odds data from various sportsbooks
- Leveraged advanced data analysis techniques to detect arbitrage opportunities and identify bets with a positive Expected Value (EV)

SKILLS AND ACTIVITIES

Languages: Java, Python, C++, Dart, JavaScript, HTML/CSS
Frameworks: React, Next.js, Flask, Flutter, Angular, FastAPI
Activities: Brighter Lives for Kids Foundation, Alpha Kappa Psi (Professional Business Fraternity)