Carter Bassler

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

EDUCATION

University of Virginia — Charlottesville, VA
Bachelor of Arts in Computer Science — *Aug. 2021 – Expected Jun. 2024*
- **Major GPA** : 3.7

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

EXPERIENCE

Bank of New York Mellon — New York, NY
Software Engineer Intern — *Jun 2023 – Aug. 2023*
- Developed a Microfrontend for the Wealth Desktop Platform using Angular, enhancing user interface and experience for wealth 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 15+ pipelining errors, thus improving application reliability and stability

Fermat Capital Management — Westport, CT
Software Engineer Intern — *Jun. 2022 - Aug. 2022*
- Produced .NET Core app to automate CAT Bond data filtration, reducing manual processing time by 5 hours per week, significantly enhancing workflow efficiency and productivity
- Built an ML model with a 92% accuracy rate and implemented a system to detect and report erroneous predictions, resulting in a reduction in misclassifications
- Optimized string manipulation operations by leveraging LINQ and REGEX, resulting in enhanced data processing speeds and system responsiveness

Fermat Capital Management — Westport, CT
Software Engineer Intern — *Jun. 2021 - Aug. 2021*
- Developed a Angular web app that has been used to visualize over 40,000 data points of insurance loss, aiding in the decision-making process
- Enhanced data visualization by integrating the Google Maps API, facilitating clearer dataset comprehension and expediting decision-making processes
- Improved application responsiveness by handling more asynchronous calls efficiently 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

Vibify | *Next.js, Spotify API, NextAuth, TailwindCSS*
- 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*
- Processed and aggregated odds data from 5 sportsbooks, providing users with up-to-date information for better decision-making
- 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++, C#, Dart, JavaScript, HTML/CSS
Frameworks: React.js, Next.js, Flask, Flutter, Angular, FastAPI, Firebase, TailwindCSS
Activities: Brighter Lives for Kids Foundation, Alpha Kappa Psi (Professional Business Fraternity)