

# Carter Bassler

203-914-5700 | [carterbassler@gmail.com](mailto:carterbassler@gmail.com) | [carterbassler.dev](http://carterbassler.dev)

## EDUCATION

---

### University of Virginia

*Bachelor of Arts and Sciences, Computer Science*

- **Major GPA: 3.79**

Charlottesville, VA

*Aug 2021 - May 2024*

## TECHNICAL SKILLS

---

**Languages:** Java, Typescript, Python, C#, C++, Dart, HTML/CSS

**Frameworks:** React/React Native, Next.js, Node.js, Flask, Flutter, TailwindCSS, Angular

**Other:** Git, AWS, Docker, Linux, Firebase

## PROFESSIONAL EXPERIENCE

---

### CrowdVolt (YC W24)

*Founding Software Engineer*

Remote

*Jan 2024 - Present*

- Redesigned and built out the frontend with React and Tailwind CSS, resulting in 70% increase in user signups and 85% increase in user sales generating more than 100k in GTV within 3 months of launch
- Led the migration of the existing React codebase to Next.js, addressing routing mechanisms, updating depreciated dependencies, and optimizing server vs client side components

### University of Virginia

*Machine Learning Research Assistant*

Charlottesville, VA

*Jan 2024 - May 2024*

- Collaborated with a team of 4 to develop GCSGNN, a self-explainable graph neural network capable of simultaneously generating predictions and counterfactuals for input graphs
- Helped implement the main model and baseline code, focusing on the Global Counterfactual Generation module

### Bank of New York Mellon

*Software Engineer Intern*

New York, NY

*Jun 2023 - Aug 2023*

- Developed a Microfrontend for the Wealth Desktop Platform using Angular, streamlining internal processes and improving application performance 60% by optimizing data access
- Assisted in the development of REST APIs with Spring Framework, integrating them with the frontend for seamless data transfer and optimized operations
- Designed and implemented error handling mechanisms for key applications, leading to a 70% reduction in pipelining errors and enhancing system reliability for 300+ users

### Fermat Capital Management - Boutique Reinsurance Hedgefund

*Software Engineer Intern*

Westport, CT

*June 2021 - Aug 2022*

- Developed a .NET Core app to automate Catastrophe (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
- Optimized string manipulation operations using LINQ and REGEX, resulting in enhanced data processing speeds and system responsiveness
- Created an Angular web app that has been used to visualize over 40,000 data points of insurance loss, integrating the Google Maps API for clearer dataset comprehension and expedited decision-making processes

## TECHNICAL PROJECTS

---

### Imperium | *Flutter, Dart, Firebase*

- Created full-stack workout tracking mobile application utilizing Flutter and Dart incorporating state management, successfully launched on the iOS App Store
- Integrated Firebase Firestore for easy scalability and 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, Javascript*

- 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

## EXTRACURRICULAR & PERSONAL

---

**Involvements:** Alpha Kappa Psi (Professional Business Fraternity), Shoes4Hope

**Interests:** Aston Villa, Pickleball, Ski The East, Weight-Lifting