

# BRYCE CULLEN



Full-Stack Software Engineer

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## EDUCATION

**Virginia Tech**, College of Engineering, Blacksburg, VA

May 2023

Bachelor of Science, Computer Science

GPA: 3.44/4.0, Cum Laude

## RELEVANT EXPERIENCE

**IQVIA Inc.**, Durham, NC, *Software Development Intern*

May 2021-Aug 2021

- Implemented UI/UX features in Lightning Web Components, JavaScript, and HTML5 to enhance client satisfaction.
- Spearheaded the automation of repetitive tasks in the developer workflow, resulting in a 30% increase in developer productivity and reduced wait times.
- Collaborated in an Agile development team to build a large-scale customer engagement software based on Salesforce.
- Incorporated client feedback to enhance the user interface and overall user experience.

**KoBalt Software LLC**, Hartford, CT, *Founder & Software Engineer*

Aug 2022-Apr 2023

- Co-founded a software company with a focus on creating innovative applications.
- Led the technical decision-making process and took initiative in driving the development and implementation of the product.
- Developed an iOS app in Swift and Python, utilizing REST APIs and Core Data.
- Followed the Software Development Life Cycle (SDLC) to engineer the product from design to deployment.

**Virginia Tech Student-Athlete Academic Support Services**, Blacksburg, VA, *Academic Tutor*

Sep 2022-Dec 2022

- Tutored 10 student-athletes weekly in calculus and computer science, fostering their understanding of complex concepts.
- Developed personalized learning plans and study materials, effectively communicating technical principles.

## PROJECTS

**upLift iOS App**

Mar 2023

- Architected, engineered social media app aimed at weightlifting community in React Native, AWS Amplify, GraphQL.
- Implemented user authentication and roles with Amazon Cognito, enabled cloud file storage using S3 buckets.
- Utilized Kanban Agile practices with tools like Trello and GitLab.

**Personal Web and Video Server**

Dec 2022

- Built a multithreaded personal web server capable of serving files, streaming MP4 videos, and providing token-based authentication API.
- Developed the backend in C and frontend in React and containerized the application using Docker.

**ProCal iOS App**

Aug 2022

- Designed and implemented mobile nutrition application in Swift and Python using REST APIs.
- Used BeautifulSoup for web scraping food menus into JSON files.

## TECHNICAL SKILLS

**Languages:** JavaScript, HTML5, CSS, Swift, Java, C/C++, Python

**Frameworks:** Node.js, React.js/React Native, REST APIs, GraphQL

**Cloud:** MySQL, Postgres, AWS Amplify, Amazon S3

**Other:** Linux/Unix, Git, JIRA, Docker, TCP/IP