

BRYCE CULLEN

Software Engineer

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EDUCATION

Virginia Tech, College of Engineering, Blacksburg, VA

May 2023

Bachelor of Science, Computer Science

Cum Laude

RELEVANT EXPERIENCE

IQVIA | *Fortune 500 Health Information Technology* | *Software Development Intern*

May 2021-Aug 2021

- Designed and Implemented UI/UX components and features for central client-facing dashboard.
- Collaborated in an Agile development team to build a large-scale customer relationship management (CRM) software for the healthcare and life science industry.
- Spearheaded the automation of repetitive tasks in the developer workflow by congregating npm scripts and removing redundancies, resulting in a 30% increase in developer productivity and reduced wait times.

JavaScript, Salesforce, Lightning Web Components (LWC), HTML5, CSS

KoBalt Software LLC | *iOS Software Development* | *Founder & Software Engineer*

Aug 2022-Apr 2023

- Co-founded a software company with a focus on creating innovative mobile applications.
- Led the technical decision-making process and took initiative in driving development and implementation.
- Developed two native iOS apps focusing on nutrition and exercise.
- Followed the Software Development Life Cycle (SDLC) to engineer the products from design to deployment.

Swift, SwiftUI, UIKit, React Native, Python, REST APIs, Core Data

Virginia Tech Student-Athlete Academic Support Services | *Academic Tutor*

Sep 2022-Dec 2022

- Tutored 10 student-athletes weekly in calculus and computer science principles, 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 and exercise tracking app aimed at fitness community in React Native, AWS Amplify, and GraphQL allowing users to stay on track with exercise and share their progress.
- 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: Java, C/C#/Objective C, Swift, Python, JavaScript, TypeScript, HTML5, CSS

Frameworks: SwiftUI, UIKit, Node.js, React.js/React Native, Laravel, REST APIs, GraphQL

Cloud: MySQL, PostgreSQL, AWS Amplify, S3

Other: Linux/Unix, Git (GitLab/Bitbucket/GitHub), XCTest, JIRA, Docker, TCP/IP, MVC/MVVM