

# BRYCE CULLEN

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## EDUCATION

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

May 2023

Bachelor of Science, Computer Science

GPA: 3.44/4.0, Cum Laude

**Relevant Courses:** Data Structures and Algorithms, Computer Systems, Computer Organization, Mobile Software Development, GUI Programming/Graphics, Computer Security, Formal Languages, Comparative Languages

## RELEVANT EXPERIENCE

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

May 2021-Aug 2021

- Designed, programmed, and implemented UI/UX features with **JavaScript**, **HTML5**, and **Lightning Web Components** to boost client satisfaction.
- Discovered repeatable tasks in developer workflow, implemented script automation to boost developer productivity and decrease wait time by 30%.
- Worked closely with a team of developers in an AGILE workflow building a large-scale, Salesforce based, customer engagement software.
- Incorporated client wishes into development decisions to build a more intuitive and appealing UI.

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

Aug 2022-Apr 2023

- Co-founded software company while in college with the objective of creating innovative applications.
- Developed iOS app in **SwiftUI** and **Python** using **REST APIs** and core data.
- Followed SDLC to engineer a product from design to deployment.

## PROJECTS

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**upLift iOS App**

Mar 2023

- Architected and engineered social media app aimed at weight-lifting community using **React Native**, **AWS Amplify**, **S3**, **GraphQL**.
- Developed user authentication and roles with Amazon Cognito, private user cloud file storage with S3 buckets.
- Adhered to Kanban AGILE practices using Trello and GitLab.

**Personal Web and Video Server**

Dec 2022

- Built multithreaded personal web server that could serve files, stream MP4 video, and provide token-based authentication API. Backend in **C**, frontend in **React**, containerized using **Docker**.

**ProCal iOS App**

Aug 2022

- Designed and implemented mobile nutrition application in **SwiftUI** and **Python** using **REST APIs**.
- Used **Beautiful Soup** to web scrape food menus into JSON files.

## TECHNICAL SKILLS

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**Front-end:** JavaScript, HTML5, CSS, Node.js, React.js/React Native, SwiftUI, REST APIs, GraphQL

**Back-end:** Java, C, Python

**Databasing:** AWS Amplify, S3, Core Data, MySQL

**Developer Tools:** Git, JIRA, Docker