

Andrew Choi

610-999-3809 | andrewchoi2462@gmail.com | [linkedin.com/in/andrew-choi-bc](https://www.linkedin.com/in/andrew-choi-bc) | github.com/andrewchoi12

EDUCATION

Boston College

Bachelor of Arts in Computer Science

GPA: 3.55/4.00

Honors: Dean's List First Honors, Bowman Scholar

Relevant Coursework: Logic and Computation, Randomness and Computation, Computer Organization and Lab, Computer Systems, Calculus 2, Linear Algebra, Object Oriented Design, Algorithms, Software Engineering, Computer Graphics, Web App Development, Database Systems Implementations, Operating Systems, Operations Research

Chestnut Hill, MA

Aug. 2020 – May 2024

EXPERIENCE

Software Engineering Intern

June 2023 – August 2023

CommScope

Chicago, IL

- Developed and implemented a survey interface for CommScope.com and RUCKUSNetworks.com using React, enhancing data collection efficiency and user engagement by 20%
- Automated survey data flow using Power Automate to format JSON data, map fields, and utilize REST APIs to route responses to ServiceNow tickets and Power BI in under 1 second
- Assisted with inventory, transition, and testing for migration of databases and application files from a data center to Microsoft Azure

Computer Science Teaching Assistant

Aug. 2023 – May 2024

Boston College

Chestnut Hill, MA

- Graded and held office hours for over 60 students
- Planned and led weekly tutoring sessions for 15 students on various topics in Python including data structures, algorithms, I/O streams, and modules

PROJECTS

Smart Journal | *React, Django REST Framework, REST API, JWT, OpenAI, Docker, Kubernetes, K3s, Argo CD*

- Developed a full-stack web application for tracking daily thoughts and emotions
- Uses a custom RESTful API with JWT 2 token authentication to securely handle user authentication and note creation
- Integrated OpenAI API to perform real-time sentiment analysis with 99% accuracy on user-created notes which is then tracked on a calendar
- Deployed and managed on a Kubernetes cluster with K3s for lightweight and efficient distribution
- Configured continuous deployment pipelines with Argo CD and GitOps principles, resulting in efficient sub 1 second deployments

EagleTA's | *Django, SQLite, HTML, CSS, Visual Studio*

- Created a full-stack web application to streamline TA application process resulting in decisions in 1/2 the previous time
- Application built in Django using a SQLite database and HTML/CSS for an user friendly interface
- Website allows instructors to upload courses for students to find, students can apply to TA for courses and instructors can review and accept applications

Recycle It? | *Swift, CoreML, Git*

- Designed and engineered an iOS application using Swift with a team of two students
- Application utilizes an iPhone's camera for real-time object detection and classification using CoreML's vision framework
- Enforced a rule-based decision system to determine recyclability based on detected object categories, resulting in 95% accuracy

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript, TypeScript, HTML/CSS, SQL

Tools/Technologies: Git, Django, Django REST Framework, React, Docker, Kubernetes, K3s, Rancher, Argo CD, DevOps, Dynamics365, RestAPI, OpenAI, JWT, CoreML, AWS, Bootstrap, Object oriented design patterns, TestNG, pytest, Agile, PostgreSQL