

Andrew Choi

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

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

CommScope

June 2023 – August 2023

Chicago, IL (Remote)

- Developed and implemented a survey interface for CommScope.com and RUCKUSNetworks.com using React, enhancing user engagement and data collection efficiency
- Utilized Microsoft Power Automate for seamless data transfer and Power BI to create dashboards that transformed survey results into valuable insights
- Assisted with the transition from a physical data center to Microsoft Azure

Computer Science Teaching Assistant

Boston College

Aug. 2023 – May 2024

Chestnut Hill, MA

- Graded and held office hours for over 60 students
- Planned and led weekly tutoring sessions 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 authentication to securely handle user authentication and note creation
- Integrated OpenAI API to perform real-time sentiment analysis 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
- Implemented continuous deployment pipelines with Argo CD and GitOps principles

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

- Created a full-stack web application to streamline TA application process
- 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
- Implemented a rule-based decision system to determine recyclability based on detected object categories

TECHNICAL SKILLS + INTERESTS

Languages: Java, Python, C, JavaScript, Typescript, HTML/CSS, Swift, Rust

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