

# Keith Yeung

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## EDUCATION

**Boston University College of Arts & Science**  
*Bachelor of Arts in Computer Science, Deans List*

Sept 2021- May 2025  
**GPA: 3.26**

## SKILLS

*Languages:* Python, Java, JavaScript, TypeScript, MATLAB, C, Assembly, OCaml, GoLang

*Frontend Development:* React.js

*Backend Development:* Django, Flask, FastAPI

*Databases:* Supabase, MongoDB, PostgreSQL, MySQL

*Tools & Infrastructure:* Git, Jira, Agile, Jupyter Notebook

## CODING EXPERIENCE

**WeBucket** [github repo](#)

*Founding Engineer (Python, SQL, FastAPI, Supabase, React.js, Agile)*

- Led backend architecture and development of a social media web application, enabling users to plan activities, rate experiences, and collaborate on shared bucket lists
- Engineered a SQL-based user database with secure anytime login and seamless CI/CD pipelines, ensuring robust deployment and smooth user access
- Integrated FastAPI and Supabase to build scalable services using RESTful services with 100% test coverage, leveraging open-source tools for efficient development and deployment

**Finance Tracker** [github repo](#)

*Python, Django, Javascript, CSS*

- Designed and implemented a full-stack web application using Django and PostgreSQL to track and manage personal finances, including budgeting, expense categorization, and transaction history.
- Developed PostgreSQL-backed REST APIs and implemented dynamic data visualization libraries to create interactive financial reports and dashboards, allowing users to analyze spending habits and trends with actionable insights.

**Meal + Music** [github repo](#)

*Python, React.js, Flask, MongoDB*

- Implemented an auth backed REST API built with Flask and MongoDB to manage (CRUD) user uploaded recipes and playlists
- Integrated 3rd party APIs ( Spoonacular, Spotify ) to dynamically generate personalized recipes and curated playlists

**OCaml Interpreter**

- Formulated an Interpreter built in OCaml, enabling parsing, abstract syntax tree generation, and execution of a high-level programming language
- Utilized various language features, including arithmetic expressions, functions, let-bindings, conditional statements, sequence of expressions, trace statements, and basic error handling for unbound variables

## WORK EXPERIENCE

**Premier Eyecare**

June 2024 – August 2024

*Clinical Operations Assistant*

*Flushing, NY*

- Administered and updated patient data within EMR systems, ensuring accurate documentation, insurance processing, and HIPAA-compliant data integrity; Boosted data retrieval efficiency by 20% and cut scheduling errors by 15%
- Enhanced client experience by handling communications, scheduling, and eyewear sales/pickups; maintained organized inventory, contributing to a 10% increase in daily patient throughput and customer satisfaction.

## LEADERSHIP EXPERIENCE

**FRC 2601 Steel Hawks Robotics Team**

June 2021 – Present

*Mentor*

*Flushing, NY*

- Manage a team of 200+ robotics members, guiding the development of electrical systems, overseeing prototype testing, and troubleshooting any problems to ensure optimal performance
- Provided technical leadership during competitions, resolving critical issues and delivering tactical insights that contributed to winning match outcomes and improving overall team success