CLARK BOLIN

(701) 871-1875 ⋄ Medford, MA

clark.bolin@tufts.edu ⋄ linkedin.com/clarkbolin

EDUCATION

Tufts University — Expected May 2025

B.S. Computer Science, Engineering Management Minor

- **GPA:** 3.96/4.0
- **Dean's List:** All Semesters | 2023 NESCAC Winter All-Academic Team
- **Relevant Coursework:** Machine Structures & Assembly Lang., Data Structures & Algorithms, Web Programming, Cybersecurity, Programming Languages, Computational Theory, Discrete Math, Linear Algebra

EXPERIENCE

Fidelity Investments — June 2023 - August 2023

Software Engineering Intern — *Boston, MA*

- Contributed to a project as part of a 3-person ideation team embedded within an existing agile squad responsible for the development and delivery of mobile applications designed for Fidelity associates
- Designed, developed, and delivered a working recommendation engine using **TensorFlow, PyTorch,** & **DGL**; engine leveraged existing employee data plus user interactions to provide "intelligent" suggestions
- Presented engine plus interactive UI built with **Swift**, and the project will be incorporated into the app
- Squad support included code reviews, unit test stories, and participation in all agile ceremonies

JumboCode — September 2022 - May 2023

Software Developer — *Medford, MA*

- Developed an app with 11 teammates to connect English language learners with tutors
- Implemented the frontend for the calendar and tutoring session scheduling components with **TypeScript**
- Constructed **Mongoose** User and Calendar schemas used in 90% of components interact with **MongoDB**
- Collaborated with teammates, UI/UX designer, & clients in 2-week sprints that included code review & standups

SKILLS

- **Languages:** C++, C, Python, SwiftUI, TypeScript, JavaScript, PHP
- **Frameworks:** React, React Native, MongoDB, SQL, PyTorch, TensorFlow, AWS, DynamoDB
- **Tools:** Jira, Agile, Confluence, GitHub, Firebase, Microsoft Suite

PROJECTS

ScholarPuckTrack | *AWS, DynamoDB, Google Colab* — August 2023 - Present

- Utilizing Elite Prospects hockey statistics to aid aspiring college hockey players choose what team to play for
- Acquired and processed an extensive API handing over 200,000 hockey player records using **Google Colab**, and executed rigorous data cleanup for consistent storage in a NoSQL database using **DynamoDB**
- Established a robust two-phase **CI/CD** pipeline on **AWS**: phase 1 encompasses automatic unit testing and alpha stage API deployment while phase 2 conducts automatic integration testing and beta stage deployment

Communitas - HackMIT | *React, JSX, Springboot* — September 2023

- Developed a web app to connect college students with host families to spend time with over the holidays
- Users can login, browse and register for events, and invite guests to their events

Authentic Threads | *SQL, PHP, JavaScript, jQuery* — December 2022

- Led and managed team of four to develop a World Cup jersey marketplace
- Handled user login and purchases with **PHP**, then stored users and their orders in an **SQL** database
- Used **cURL** to retrieve scores from an API and displayed teams that had won recent matches with **JavaScript**

EXTRACURRICULAR & LEADERSHIP

Tufts University Ice Hockey — August 2022 - Present

- Dedicate 30 hours per week to workouts, practices and games while maintaining a full academic schedule

Skipjacks Hockey Team Captain — August 2020 - March 2021

- Participated in weekly Leadership Council meetings; received Man of the Year award for exemplary leadership