JOHN COLLINS

973-908-9065 | jmcollinsnj@gmail.com| https://jcol.me/
7 Delaware Road, Morristown, NJ, 07960

EDUCATION

Tufts University   Medford, MA

Bachelor of Science in Computer Science. GPA: 3.51 (Major), 3.22 (Overall)   Anticipated Graduation: June 2020

- Relevant Coursework: Data Structures, Algorithms, Machine Structure and Programming, Computer Systems Security, Web Programming, Programming Languages, Game Design, Introduction to Electrical Systems, Applications in Engineering: Microbrewery Design, Principles of Economics, Intermediate Microeconomic Theory, Introduction to Psychology, Discrete Mathematics, Applied Calculus II, Chemistry I, Physics I, Physics II
- Certification in Financial and Valuation Modeling: Wall Street Prep, October 2016

University of Edinburgh   Edinburgh, Scotland

School of Informatics Study Abroad. Fall 2018

- Proposed Coursework: Database Systems, Introduction to Bioelectronics, Blockchains & Distributed Ledgers, Natural Computing, Digital System Design *3*

WORK EXPERIENCE

MLB Advanced Media   New York City, NY

Web Engineering Intern   June 2018 – August 2018

- Developed next generation MLB Draft Tracker using React, with an 80% faster initial paint, 20% faster time to interaction and server-side rendering for SEO.
- Collaborated with stakeholders & designers to develop the MLB All Star Green Path web app for Kaiser Permanente deployed at the 2018 MLB All Star Game.
- Managed individual deadlines & deliverables for Agile software development process meetings.
- Collaborated with team members to rebuild in-house UI components in React & integrate them into existing web stack for upcoming transition.
- Created a containerized development environment to speed up initial setup for major web properties.

Tufts University Computer Science Department   Medford, MA

Web Development Teaching Assistant (COMP 20)   January 2018 – April 2018

- Maintain weekly office hours to assist students with coursework and review/grade assignments.

Wells Fargo Advisors   Short Hills, NJ

Wealth Management Intern   May 2016 – August 2016

- Created a comprehensive IRA account database to ensure accurate and up to date beneficiary information.
- Developed an automated stock market data gathering program for use in weekly/monthly reports.
- Created a compliance deadline system for annual and quarterly meetings using analysis of prior meeting notes.
- Established and maintained records compliant with FINRA regulatory requirements.
- Reviewed and edited periodic stock market reports.

MBS Summer Camp   Morristown, NJ

Course Developer and Instructor (Digital Movie Making with iPad)   Summers 2015 – 2016

- Developed and taught a summer course *Digital Movie Making with iPad* for students age 10 - 13.

Morristown-Beard Founders Hall   Morristown, NJ

Sound Designer / Sound Board Operator   September 2012 – May 2016

- Managed sound requirements for numerous events in a 630-seat surround-sound theatre.
- Designed, rigged, programmed, and operated a comprehensive sound system as required for each event.
- Repaired and troubleshooted sound equipment including handling system failures during live performances.

PROJECTS

Harvard Square Homeless Shelter Street Team Management (2018): *React Native, Firebase*

- Working with Tufts Jumbocode non-profit development team to build a mobile application for optimizing time and resources of volunteer street team.

Wiki Alexandria (2016): *Django, Beautiful Soup*

- Finalist at Hack@Brown 2016 for Wiki Alexandria.
- Designed and developed a research tool to automate my topic research process.

Study in Socio-Economic Modeling (2016):

- Designed a comprehensive model to determine the possible socio-economic impacts on California's central river valley from further water use regulation.

SKILLS

Coding Languages: Javascript ES6, C++/C, Python, HTML/CSS, Matlab
Frameworks/Packages: ReactJS, React Native, Node.js, Express, Webpack, JQuery
Software/Systems: Git, Debian Linux, Windows, OSX, Virt-Manager, QEMU, Microsoft Office