

John “Jackson” Parsells

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Education

Tufts University

Bachelor of Science, Computer Science with Minors in Economics, Entrepreneurship

GPA: 3.87/4.00, Dean's List

Relevant Courses: Algorithms, Computer System Security, Data Structures, Discrete Mathematics, Machine Learning, Machine Structure and Programming, Programming Languages, Software Engineering, Web Engineering

Medford, MA

May 2023

Experience

Tufts University

Teaching Fellow, Department of Computer Science

Medford, MA

Aug 2020 – Present

- Manage 30 person teaching staff as head undergraduate teaching assistant for Introduction to Computer Science
- Design assignments in C++ and lead two weekly labs to explain concepts and implementations from lectures
- Develop and utilize automatic grading software in Python to assess functional correctness for 300 students

Incite Solutions

Web Engineering Intern

Wilmington, DE

Jun 2021 – Sept 2021

- Implement full web development cycle from producing prototype designs for client to building a full stack site
- Utilize development tools from React.js to WordPress to serve multiple government and non-profit clients
- Enhance user experience through optimizing load speeds and designing with a greater emphasis on UI/UX

Tufts University

Residential Assistant, Office of Residential Life and Learning

Medford, MA

Aug 2020 – Present

- Supervise and mentor 13 first year individuals new to Tufts to fully integrate them into the community
- Routinely hold one on one meetings with residents to do individualized extracurricular matching and check ups
- Contribute weekly to staff meetings to brainstorm monthly events and address building wide issues

ID Tech

Online Instructor

Campbell, CA

Jun 2021 – Aug 2021

- Instructed small groups of up to 6 students aged 7 to 17 in C++, Java, JavaScript, and Python
- Designed unique curriculum to accommodate student's individual needs and varying prior experience
- Introduced beginner to advanced topics through week long sessions ranging from Data Structures to AI

Projects

JumboCode

Project Manager

Medford, MA

Jan 2021 – Present

- Plan agile sprints, checkins with client, and develop tickets to create course management system for TUPIT
- Utilize Typescript with React functional components in Next.js to build out the client facing interface
- Leverage flex box and modern SASS technologies to build dynamic pages based on collaborative designs
- Manage a 12 teammates to resolve weekly git tickets spanning API integration to full page construction

Tufts Daily

Web Manager

Medford, MA

Jan 2021 – Present

- Supervise team of 8 web developers to rebuild WordPress website according to design specifications
- Write custom HTML, CSS, and JavaScript to further customize provided themes, content, and plugins
- Spearhead recruitment process for summer redesign with an emphasis on strong documentation and clear code

180 Degrees Consulting

Team Leader

Medford, MA

Jan 2020 – Present

- Provide free consulting for local nonprofits by publishing deliverables and holding weekly meetings with client
- Conduct market research to dictate scope of release on products, as well as identify competitors and threats
- Increased client social media performance by 159% from 5.6k to 8.9k monthly visits and improved weak SEO

Relevant Skills

Programming Languages: C++, C, Python, Java, SQL, Javascript, JSP, HTML, CSS, Erlang

Frameworks: Node.js, React.js, Kali Linux, Selenium

Software Packages: WordPress, Wireshark, Netstat, Nmap, Bash, GitHub, Nano, VS Code