

# John “Jackson” Parsells

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## Education

### Tufts University

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

GPA: 3.86/4.00, 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