

# Peter Smiley

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## Education

### **Tufts University (Computer Science, 2023)**

**Medford, MA**

- Relevant Coursework: Machine Structures and Programming, Data Structures, Algorithms, Introduction to Security, Software Testing, Software Development - Software Engineering, Assistive Algorithms, Discrete Math, Intro to Economics, Psychology
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## Work Experience

### **Immuto Inc.**

**Minnesota, Winter, Summer, 2020**

#### *Software Developer (Summer)*

- Employed React.js and the Chrome Developer API to build a Google Chrome extension which brings Immuto Inc's blockchain technology to the web.
- Tasked with designing and building a popup menu, writing several custom background scripts that run as the user navigates the web, and integrating blockchain technology with the Chrome API.

#### *Backend Developer (Winter)*

- Applied the express.js framework and mongodb to build out backend functionality for a blockchain based permissioning system using the immuto API.
- Operated directly under the CEO and offered personal input on design decisions and structure.

### **Clarkstown Community Center, Programming Teacher**

**New York, Fall, 2017**

- Taught an eight week class in C++ to 15 middle school students in my community.
- Set up and organized the class, designed a syllabus, and introduced fundamental coding principles.

### **Emagination Computer Camps, Program Assistant, Teacher**

**Connecticut, July, 2017**

- Managed, led, and organized an intensive programming course for 8th through 10th graders in Java and C#.
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## Projects (see more on my website)

**Hackathon Developer**, Tufts Polyhack 2019, Mit FinTech Hackathon 2020, Consensus Health Stop COVID Hackathon 2020, MIT Bitcoin Hackathon 202

**Head of Development**, Tufts Blockchain Club

**IDIAS Data Science Fellowship**, work and collaborate on real world problems using data science.

**ConsentUs**, Javascript, React, Express, MongoDB, Immuto API, Bootstrap

**Spring, 2020**

- Developed a blockchain application to simplify and secure patient consent in clinical trials. Won Highest Usability Award at the MIT Bitcoin Hackathon.

**Immunify**, Javascript, React, Express.js, MongoDB, MaterialUI

**Spring, 2020**

- Developed a platform empowering citizens to improve the health of their local communities and to support national research in order to combat Covid-19.

**Flood-It Optimization**, Python, Tkinter

**Summer, 2020**

- Built a genetic algorithm that utilized reinforcement learning to optimally beat the board game Flood-It.
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## Skills

- Languages: Python, C, Javascript, Golang, C++, Swift
- Software: React, Express, MongoDB, Redux, HTML, CSS, P5.js, Numpy, Chrome Developer API, Django
- Tools and Technologies: Linux, MacOS, Windows, Git, Postman, Vim, Jira
- Non-Technical: Agile, TDD, Scrum, Kanban, System Modeling, Quality Management