

# Richard P. Sollee, III

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## Education

**Massachusetts Institute of Technology (MIT)** | Cambridge, MA | 2019 – present

*Candidate for Master of Engineering in Computer Science*

*Expected June 2024*

*Bachelor of Science in Computer Science & Engineering; Bachelor of Science in Physics*

*June 2023*

- Member of the Compilers at MIT (COMMIT) research group within the Computer Science and AI Lab (CSAIL)
  - Focusing on optimizing computations for Lattice Quantum Chromodynamics through an intermediate representation which allows easy transformations to the algorithm structure.
- Relevant coursework: Software Performance Engineering, Software Construction, Computation Structures, Design and Analysis of Algorithms, Software Studio

## Work Experience & Entrepreneurship

**Owner and Developer** of Sollee Development | Jacksonville, FL | June 2015 – present

- Created several websites for clients including small businesses using PHP, MySQL, and JavaScript
- Developed TPlanner ([www.tplanner.school](http://www.tplanner.school)), a school SaaS website adopted by The Bolles School with 100+ teachers, simplifying lesson planning and student communication by automating Schoology calendar appointment management based on dynamic schedules.

**Software Engineering Intern** at NLP Logix | Jacksonville, FL | June – August 2023

- Developed a React frontend through adding new features, addressing bugs, and ensuring code coverage using the Jest framework for tests.
- Developed Python backend APIs built in chalice where I assisted with the authorization logic as well as some MySQL database restructuring and modifications of the API code to support the changes.
- Contributed to an Agile development environment with sprint-based coding and biweekly customer demos.

**Software Engineering Intern** at USAA | Plano, TX | June – August 2022

- Created an internal Salesforce application to ease the process of managing user access across multiple deployments.
- Participated in Agile standups, PI planning, and demoing completed stories to the business representatives.

**Data Science Intern** at NLP Logix | Jacksonville, FL | April – September 2020

- Led a Data Analytics Bootcamp group for high school students using Tableau to teach visualization methods of data and the scikit-learn Python library to create and train their models.
- Designed a dashboard using ReactJS for a competition to predict the failure of solid-state drives on aircraft.
- Built a data preparation pipeline for predictive maintenance of military aircraft.

## Skills

- Programming & Frameworks: Python, JavaScript, TypeScript, ReactJS, Java, C++, HTML & CSS, SQL, PHP, Halide
- Software & Platforms: Microsoft Office Package (Word, PowerPoint, Excel), Tableau, Salesforce

## Activities

Men's Lightweight Rowing (D1 Program) (2019 – present) | 25+ hours per week commitment, Fall / Spring

- Captain during 2021-22 season: Helped reform the team culture into one which prioritized commitment to hard work and supporting teammates in their own improvements which led to team best performances in competitions.

Boy Scouts of America (2012-2019)

- Served as Senior Patrol Leader overseeing the planning of events and meetings for a group of ~20 individuals.
- Member of the Order of the Arrow (Boy Scouts Honor Society): Served as Lodge Secretary (responsible for the quarterly and bi-annual publications distributed to all members in Northeast Florida) and Website Chairman (Updated the Lodge website and created forms for our online payment systems)

## Awards and Honors

- IRCA All American 2<sup>nd</sup> Team (2022, 2023)
- IRCA Scholar Athlete (2022, 2023)
- MIT Rowing Team Most Inspirational Award (2021)
- World Record holder for Men's 19&under Lightweight 100K on a rowing ergometer (2020)
- Salutatorian of graduating class (2019)
- Achieved the rank of Eagle Scout (2018)
- Recipient of the One Hundred and Ten Percenter Award (Bolles High School Crew) for consistently demonstrating a strong commitment to extra work (2017, 2018, 2019)
- Recognized as Lodge Arrowman of the Year and Chapter Arrowman of the Year (Order of the Arrow, 2019)