

Nicholas Yarnall

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EDUCATION

Brown University, *M.S. in Computer Science, ScB in CS-Applied Math* 4.0/4.0 GPA **Providence, RI | Projected May 2025**

Relevant Courses: *Software Engineering, Operating Systems, Linear Algebra, Deep Learning, Applied Diff Eq*

Avon High School, 4.84/4.00 GPA, Salutatorian

Avon, CT | Sep 2017 - June 2021

National Honors Society, National AP Scholar, National Merit Semifinalist, National Spanish Honors Society

Awards: Saint Michael's Book Award, Government's Scholar Essay Electee

SKILLS AND INTERESTS

Programming Strengths: Java, Python, ReactJS, AngularJS, C/C++, HTML, TypeScript, JavaScript, CSS, SQL, Git, Unix/Linux

Areas of Strength: Deep Learning, Data Analysis, Agile, Unit/Integration/E2E Testing, Problem Solving, Teamwork

Interests: Weightlifting, Philadelphia Sports, Music, Hockey, Football, Video Games

SOFTWARE ENGINEERING EXPERIENCE

Full-Stack at Brown, *Non-Profit, Frontend and Backend Developer*

Providence, RI | Feb 2022 – Present

- Collaborating with peers to develop applications for organizations around campus
- Developing software projects in an Agile environment that mirrors industry SDLC
- Leading development on an app to streamline the Brown inspection process for animal research
- Fixed bugs on the Brown Hours app used for all TA hours in computer science courses

Travelers, *Software Engineering Intern*

Hartford, CT | Jun 2023 – Aug 2023

- Developed for multiple sprints within an agile team using .NET, Angular, React, Jasmine, Jest, AWS, and Jenkins
- Added an API flow within .NET framework to make files downloadable within Traveler's claim handling platform
- Augmented the email/SMS notification flow within Traveler's remote claim assessment site to include a license number
- Conditioned the frontend in Traveler's claim handling platform to lock buttons during a send message API request

Bootstrap, *Volunteer, Frontend and Backend Developer*

Providence, RI | Mar 2022 – Jun 2023

- Modified build script, reconfigured project dependencies, and migrated Java 8 to 17
- Began refactoring entire application using ReactJS to support modern browsers

Brown University, *Teaching Assistant, CS0111 Computing Foundations: Data*

Providence, RI | Aug 2022 – Dec 2022

- Held hours and labs to help students with coursework and teach new material
- Graded weekly assignments and exams
- Improved course projects, homework, and labs

Travelers, *Software Engineering Intern*

Hartford, CT | Jun 2022 – Aug 2022

- Developed for multiple sprints within an agile team using Angular, Jasmine, Jenkins, and React
- Fixed bugs and developed test suites on the injured employees' portal asset managed by my team
- Independently migrated an in-house diagram app to Traveler's styling

Travelers, *Robotic Process Automation Intern*

Hartford, CT | Jun 2021 – Aug 2021

- Worked within an Agile engineering environment for multiple sprints
- Automated new tasks to further automate claim processing using Automation Anywhere A360
- Converted older bots to A360 code and created new test suites to accommodate the new tasks
- Spearheaded a project to demonstrate understanding of AA API calls/capabilities to the team

COLLABORATIVE EXPERIENCE

Investing Team, *Team Co-leader, North American Finalist*

Avon, CT | Sep 2020 – Jan 2020

- Co-led an investing team in the Wharton Global High School Investment Competition – [Presentation](#)
- Implemented a python 'trading model' that utilized short-term trading indicators and stock APIs to make trading predictions
- North American finalist invited to present to Wharton Committee about our unique and complex approach
- Converted the team into an inclusive stock market club during my senior year of HS to improve diversity in financial clubs

Robotics Team, *Captain*

Avon, CT | Sep 2017 – Jun 2021

- First ever four-year captain of Avon High School Uberbots

Gifts of Love, *Volunteer*

Avon, CT | Oct 2019 – Mar 2020

- Helped families obtain clothing and pantry items from the local gifts of love location

American Cancer Society – Relay for Life, *Team Lead Volunteer*

Avon, CT | Oct 2017 – May 2020

Captained/participated in three teams over the course of high school to raise money for cancer research