



# NICHOLAS D. BOTTONE

CS STUDENT AT BROWN UNIVERSITY | SOFTWARE ENGINEER | WWW.BOTTONE.IO

## EDUCATION

### BROWN UNIVERSITY • EST. 2024

Computer Science B.S. Candidate.  
Officer for Brown CS Club,  
Head of Events for Brown Esports,  
Developer for Full Stack at Brown.

### PONAGANSET HIGH SCHOOL

• 2020 • 4.71 GPA

Valedictorian. Studied Computer  
Science and Engineering.

## SKILLS

### PROGRAMMING LANGUAGES

Java | Python | TypeScript |  
JavaScript | HTML | C++ | Go

### WEB FRAMEWORKS

React | Node.js | Express |  
Django | WordPress | Android

### SOFTWARE

Premiere Pro & Illustrator |  
GIMP | Microsoft Office | Git |  
OBS | VSCode | IntelliJ

### OPERATING SYSTEMS

Windows | Debian | WSL

## ACHIEVEMENTS

### LIFETIME ACHIEVEMENT AWARD

• 2020 • PONAGANSET HS

### COMPUTING MEDAL AWARD

• 2019 • RIT

### DEAN'S LIST SEMIFINALIST

• 2019 • FIRST ROBOTICS

### CODING CONTEST FINALIST

• 2019 • PROVIDENCE COLLEGE

### DISTRICT EVENT FINALIST

• 2019 • FIRST ROBOTICS

## WORK EXPERIENCE

### IT SPECIALIST • 2018–2021 • FOSTER-GLOCESTER SCHOOLS

Configured and solved issues with Windows-based systems for students and teachers in the district. Implemented a new device inventory system. Worked to redesign the student help desk and laptop distribution during the pandemic.

### CONTRACT DEVELOPER • 2018–2020 • CFB ATM MANAGEMENT

Discussed project progress with customers and developed applications for logging transactions at hundreds of ATM machines in Rhode Island.

## RELEVANT COURSES AND PROJECTS

### HYPERTEXT AND HYPERMEDIA • CS1951V • FALL 2021

Web projects using the MERN stack; studied architecture of hypermedia systems.

### ALGORITHMS AND DATA STRUCTURES • CS0160 • SUMMER 2021

Studied techniques for problem solving, including sorting, searching, and graphs.

### BLOCKCHAINS AND CRYPTOCURRENCIES • CS1951L • SUMMER 2021

Studied consensus/distributed blockchain systems; created smart contracts in Solidity.

### BROWN CLIMBING WEBSITE • BROWNClimbing.COM • 2021

A MERN website for tracking the events calendar and reservations for Brown Climbing.

### SECOND ROBOTICS WEBSITE • SECONDRobotics.ORG • 2021

A Django website for live score data and high scores for Second Robotics matches.

## LEADERSHIP AND VOLUNTEERISM

### PROGRAMMING MENTOR & ALUM • FRC TEAM 5112 • 2016–PRESENT

Leads development of robot code and construction of the electrical control systems for the Gongoliens robotics team. Guides a team to create an advanced robot program for remote teleoperation and autonomous operation. FIRST Robotics volunteer.

### FOUNDER & DIRECTOR • CODE CLASH • 2019–PRESENT

Leads the organization, planning, and hosting of high school coding competitions in Rhode Island. Held the inaugural statewide event at Ponaganset High School.

### CTO • 2021-PRESENT • BROWN COMPUTER SCIENCE DUG

Manages the website, Discord, and online presence for the university's leading computer science undergraduate group. Organizes undergraduate CS events.

### FOUNDER & CORE TEAM • 2020–PRESENT • SECOND ROBOTICS

Founded a virtual simulated robotics tournament for competitive robotics fans. Worked on the organization by developing, producing, and streaming virtual events on Twitch.

### HOURLY OF CODE • 2017–PRESENT • FOSTER-GLOCESTER SCHOOLS

Teaches CS skills and interactive activities to spark interest in programming. Runs higher level Java classes and robot programming classes for high school students.



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