

Chris MacNamara

Software Engineer

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Former professional educator with 7+ years of teaching experience in Computer Science, Robotics, and Spanish Education. Self-starting and organized career changer with personal projects including Java programs and full-stack web apps.

EXPERIENCE

Boston Collegiate Charter School

Aug 2017 - June 2022

AP Computer Science and Spanish Teacher

- Developed and taught the first advanced AP Computer Science A program at Boston Collegiate using data-driven methodologies to inform and adapt teaching strategies
- Designed lessons that promoted independent student discovery and collaboration in the acquisition of foundational skills in Java and Python
- Utilized research-based strategies to facilitate the acquisition of the Spanish language for novice- and intermediate-level learners

Boston Collegiate Charter School

August 2019 - June 2022

Robotics Coach

- Organized and facilitated robotics club that competed in annual First Tech Challenge events
- Implemented autonomous and driver-controlled robot operation modes using the FTC SDK in OnBot Java

Ithaca College Information Technology Services

January 2011 - May 2013

Desktop Services Technician

- Updated and maintained campus desktop images following a cyclical renewal procedure
- Responded to service requests via ticketing system to troubleshoot users' software/hardware issues on campus

EDUCATION

Ithaca College

2014 - 2015

Master of Arts in Teaching (MAT), Adolescent Spanish Education

Relevant coursework: Educational technology, Collaboration and Planning for Instruction, Differentiating content to meet students' needs

Ithaca College

2009 - 2013

Bachelor of Arts (BA), Computer Science

Relevant coursework: Software Engineering, Algorithms, HCI (Human Computer Interaction)

Led project focused on visualizing media deserts in the US using the Google Fusion Tables API

SKILLS

Programming Languages: Java, Python, JavaScript, React, Node, Express

Software: Linux, Git, WSL, PostgreSQL, VS Code, Eclipse

Natural Languages: English (native), Spanish (fluent)

HONORS

Academic Conference Invitation

April 2015

Middle Atlantic Council of Latin American Studies

Invited to present literary analysis paper on Self-Expression in Closed Spaces

Computer Science Honor Society

December 2012

Ithaca College

Inducted into Ithaca College's Chapter of Upsilon Pi Epsilon