

# Robert Yepes

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## EDUCATION

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**Tufts University**, Medford/Somerville, MA

May 2024

*Bachelor of Science in Computer Science, Cognitive and Brain Science*

GPA: 4.0, Dean's List

Relevant courses: Web Programming; Data Structures; Machine Structure and Assembly Language Programming; Discrete Mathematics; Statistics for the Behavioral Sciences

**International School Bangkok**, Nonthaburi, Thailand

June 2020

*High School Diploma, International Baccalaureate Diploma*

GPA: 4.5, High Honor Roll; IB Score: 43

## TECHNICAL SKILLS

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**Languages:** Proficient in Spanish

**Programming Languages:** C/C++, JavaScript, PHP, R

**Software:** R Studio, Github, MongoDB, Microsoft Office (Word, Excel, PowerPoint), Google Drive (Docs, Slides, Sheets)

**Other Tools:** HTML/CSS, jQuery, Node.js, MySQL, AJAX and Fetch APIs, SQL and NoSQL databases

## PROJECTS

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**Image Compressor**, Machine Structure and Assembly Language Programming, Tufts University

- Using C, built a lossy color image compression/decompression program based on JPEG.

**Stock Ticker Web App**, Web Programming, Tufts University

- Designed a web app that returns a company's stock information given its company name or ticker symbol using a MongoDB (NoSQL) database and Heroku for online deployment.

**UM Emulator**, Machine Structure and Assembly Language Programming, Tufts University

- Built a C program that emulates the Universal Machine, executing bitpacked instructions contained in a given file.

**On Marketing Proposal**, Public Relations and Marketing, Tufts University

- Designed and presented a marketing proposal and positioning strategy for the On Cloudrock Edge Raw hiking boot after extensive market research, designed and edited a 30-second accompanying video advertisement.

**Splendor Game Simulation**, Intro to Computer Science, Tufts University

- Implemented a simulation of the card game Splendor using object-oriented programming with C++.

**RPN Calculator**, Data Structures, Tufts University

- Designed and implemented a fully functioning Reverse Polish Notation (RPN) calculator using C++.

**Personal Website**, Personal Project, robertyepes.com

- Designed and coded a resume website from scratch using HTML, CSS, JavaScript, and jQuery.

## EXPERIENCE

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**Undergraduate Teaching Assistant**

Fall 2022

*CS-0020 Web Programming, Tufts University*

- Grade assignments, provide feedback and guidance for students learning the fundamentals of front-end and back-end web programming.