

Xavier Ruiz

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EDUCATION

Boston University

B.A. / M.S. in Computer Science

Expected May 2022
Cumulative GPA **3.50**

Technical Skills: HTML/CSS, Javascript, Java, SQL, Python, C, Bash, Git, Linux,
Adobe Photoshop, Adobe Illustrator

Languages: English and Spanish (AAPL Seal of Biliteracy)

WORK EXPERIENCES

Boston University, Computer Programmer

August 2018 – Present

- Built front-end using p5.js library, implemented service workers to cache pages and transformed site into a progressive web app. Developed numerous stereographic illusions, physics simulations, and optimized simulations for mobile viewing.
- Focused on accessibility and page-layout design. Adding more simulations to site, researching how Web Assembly can be used to speed up simulations, conducting more research with professor.

Azteca Home Services, Junior Technician

January 2016 – August 2018

- Set up phones, wrote work manuals, helped with general business operations, worked in an office setting, answered phone calls, helped create weekly schedule for landscape and pest control subdivisions.

PROJECTS

Azteca Home Services Website, Developer

August 2018

- Deployed a PHP website utilizing the Materialize CSS framework, redesigned flow of website, updated form input and validation, fixed various security flaws, moved site to better hosting provider, improved SEO, implemented mail server.

National Honor Society Volunteer Hours Tracking Application, Developer

August 2017

- Researched what students would want from an hours-tracking application, analyzed survey results, designed SQL databases and PHP to retrieve and display data, utilized Materialize CSS framework, deployed application in beta.
- Maintaining site updates currently, taking in user feedback, adding new features to site, moving from PHP to Node.js in order to speed up site load times.

LEADERSHIP & ACTIVITIES

Association for Computing Machinery, Project Manager

January 2019 – Present

- Aided in planning student activities for freshman, began initiative for a Student Project Fund, coordinating with the Engineering and Product Innovation Center to set up new workshops for the computer science community.

Future Business Leaders of America, President

August 2016 – May 2018

- Competed in programming competitions at regionals, won second place for business website operation and design, hosted weekly meetings working on larger competitive programs throughout school-year.

National Honor Society, Vice President

August 2016 – May 2018

- Outreached to community for volunteer opportunities, managed volunteering events, coordinated between volunteers and other community events, served over 200 hours in community service.

Pre-Med Club, President

August 2016 – May 2018

- Arranged field trips to local colleges and career fairs with help of supervisor, held free CPR training sessions, helped supervisor facilitate dissections.