

Marco Lagos

PHONE: +1 504-360-4801

EMAIL: [marcolagos888@gmail.com](mailto:marcolagos888@gmail.com),

LINKEDIN: [www.linkedin.com/in/marcolagos](https://www.linkedin.com/in/marcolagos),

GITHUB: <https://github.com/marcolagos>

### Education:

(Aug 2020 – May 2024) Rice University, Houston – Bachelor of Science in Computer Science

### Experience:

(Nov 2021 – Present) Rice University <IT Support Intern />:

Supported one of the busiest Departments at Rice University. Supported the team by maintaining hardware, software, and other systems. Assisted with troubleshooting technical issues and providing technical support all across campus. Organized and maintained IT resources and supported in areas such as cyber security and data management.

(Feb 2019 – Feb 2020) BridgeMed.org <Webmaster and Head of Fundraising />:

Consistently developed and updated BridgeMed website, while leading a small and dedicated team of fundraisers to provide the necessary vision, leadership, and fundraising, which enabled BridgeMed to achieve its fundraising goals and fulfill its mission to supply medical and physical resources to our patients.

(Feb 2019 – Present) FathersHouseKids.org <Mentor and Tutor />:

Mentored and tutored young men in English/Reading/Mathematics/Sciences for their school classes and their standardized tests, such ACT/SAT. Additionally, taught them Programming, Adobe Software, 3D Printing, and Laser Engraving. Enabled the young men to pursue greater heights in their education and overcome their difficulties.

### Projects:

**Blog Application (MERN):** Used React.js with Axios.js and Bootstrap with a simple backend using Express.js, Cors, Bcrypt, and Mongoose.js/MongoDB.

**Contact Manager Application (MERN):** Used React.js to build a contact manager where you can add/remove contacts with their information

**Bloxorz (JavaScript, Blender):** Used Three.js, Cannon.js, and Tween.js to create a Bloxorz game using Vanilla JavaScript

**Swipo (React):** Tinder swiping app for music where users can like and dislike songs from a genre.

**Search Algorithms (Python):** Implemented BFS, DFS, Dijkstra's, and A\* search algorithms

**Part-of-Speech Tagger (MERN):** Part-of-Speech tagging using the Stochastic technique, Hidden Markov Models, and Viterbi algorithm.

### Extracurriculars:

(Sept 2021 - Present) <ICPC Club />: Involved in the ICPC Club coding challenges and problems, participating in lectures in Algorithms, Data Structures, and problem-solving in C/C++.

(Feb 2019 – Feb 2020) <Data Education and Exploration Project />: Participated in a semester-long workshop on data analysis, visualization, and interpretation using Python.

(Sept 2021) <HackRice 12 Hackathon />: Worked with a team of four to produce Swipo for the 2021 Rice University Hackathon

### Important Courses:

CS-321: Computer Systems (C/C++), CS-322: Parallel Programming, CS-382: Algorithms and Data Structures (Java), STAT 487: Blockchain & Cryptography (JavaScript, Solidity), MATH 355: Linear Algebra

### Skills:

Java, JavaScript, Python, C, HTML / CSS, Tailwind / Bootstrap, Node.js / React.js / Express.js, Adobe I / XD