Phone: +1 (470) 529 3702

Email: davi.nakajima.an@gmail.com

Davi Nakajima An

Folk 304a

Atlanta, Georgia 30332

EDUCATION:

Georgia Institute of Technology, Atlanta, GA
- Candidate for Bachelor of Science in Computer Science

Escola Maria Imaculada - EMI (Chapel School)
- IB Diploma Candidate
- GPA: 3.6/4.3

EXPERIENCE:

Judge and Organizer for *Torneio Juvenil de Robotica* **(**Junior Robotics Tournament**)**, São Paulo, Brazil   *2018*
- Organized robotics tournament for children in São Paulo
- Taught robotics concepts for children
- Maintained scores for teams in the tournament

SKILLS:

Programming:	C++, C, Java, Python, HTML/CSS
Tools/Software:	Autodesk Inventor, Altium Designer, OpenCM, Arduino, Soldering
Concepts:	Graph Algorithms, Dynamic Programming, Imperative Programming, Processing Collections of Data, Object Oriented Programming, Foundations of Data Structures, Sorting and Algorithm Analysis, Sequences, Trees, Hash Tables.
Languages:	Portuguese (Native), English (Bilingual), German (Limited), Spanish (Elementary)
Interests:	Robotics, Quadcopters, Programming, RC Airplanes, Computers, 3D Modelling, Arduino Projects, Piano

PROJECTS:

Breast Cancer Analysis Program *(Stanford Pre-Collegiate Summer Studies final project)*   *July 2016*
- Used linear algebra to create diagnostic and prognostic for breast cancer
- Designed a dimensionality reduction algorithm that selects features in the dataset to improve accuracy
- The improved algorithm was able to increase the accuracy of cancer prognosis by 10% in the dataset.

Robotics Competitions (*Team Leader/Circuit Designer/Programmer***)**   *2016 - 2018*
- Lead the structural design for a robot to compete in the Latin American Robotics Competition (LARC) in the Rescue Maze division
- Designed and implemented a maze traversing algorithm using Depth First Search
- Designed the printed circuit board

Eco-Bench (*Co-Project Leader***)**, *São Paulo, Brazil*   *2014-2018*
- Lead the circuit design and testing process for a solar-powered phone charging unit named Eco-Bench
- Designed 3D model of the Eco-Bench frame
- Used soldering techniques to connect electrical components of the Eco-bench

AWARDS:

- 3-time National Champion of CBR (Brazilian Robotics Competition)   *2012, 2013, 2014*
- 1st place - International RoboCup Jr. for best robot design   *2014*
- 1st place - International RoboCup Jr. for Soccer Lightweight Superteam   *2014*
- Silver Medal - Brazilian Informatics Olympiad (OBI) for Junior Programming   *2015*
- Bronze Medal - Brazilian Informatics Olympiad (OBI) for Programming 1   *2016*