# Roland Saavedra

rolandsaavedra22@gmail.com | 678-629-7854

## Education

### Georgia Institute of Technology

*Bachelor of Science in Computer Science* <span style="float:right">Graduation 2025</span>

- Currently maintaining a 3.8 GPA in the Honors Program
- Focus on Discrete Math: Combinatorics, Combinatorial Analysis, Graph Theory
- Focus on Artificial Intelligence: Machine Learning, Advanced Linear Algebra
- Other courses: Data Structures and Algorithms, Software Engineering
  Design and Analysis of Algorithms

## Experience

### Compass <span style="float:right">Rochester, NY</span>

Software Engineer Intern <span style="float:right">Jan 23—Aug 23</span>

- Designed and developed browser-based design tool
- Utilized Three JS to build 3D web software.
- Created novel asset pipeline that enables 3d designers to rapidly iterate and share ideas.

### Avivatech <span style="float:right">Alpharetta, GA</span>

Software Engineer Intern <span style="float:right">May 22—Aug 22</span>

- Designed and integrated database schemas using Microsoft SQL Server
- Collaborated closely with Senior Engineers on software projects
- Developed and maintained project management application using the .NET framework.
- Stored and managed code history using Microsoft Team Foundation Server
- Updated software security standards to be SOC-2 compliant.

## Projects

### Milestone

- I led a four person team that created a mobile using React Native that enables people to track their goals and stay motivated and accountable.
- The project won two categories at Hack GT X and had a Node.JS and Firebase backend hosted Google Cloud Platform, as well as a MATLAB service also hosted with Google Cloud App Engine.

### Python Trading Strategies

- Combined IEX Cloud Stock API, Pandas, and Numpy to generate lists of stocks to buy based on certain parameters.
- Used knowledge from reading finance books to implement semi-advanced trading strategies that beat the market in backtests.

## Skills

- Programming Languages: Python, Java, C++, Typescript, Lua, C#, Javascript
- Technologies: GCP, Docker, React, Node, Tensor Flow, Unity, Git
- Soft Skills: Communication, teamwork, problem-solving, critical thinking, creativity

## Extracurriculars

- Atlanta Symphony Orchestra Talent Development Program Alumni
- National Society of Black Engineers
- Society of Professional Hispanic Engineers
- Math and Computer Science Tutor