

# David Gorin

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Hard-working and fast-learning student looking for an internship in Software Development.

## Education

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### BA COMPUTER SCIENCE - GEORGIA INSTITUTE OF TECHNOLOGY-(AUGUST 2021-MAY 2024)

- Major: Computer Science
- GPA: 3.96

### CLASSES TAKEN / IN PROGRESS

- Math: Discrete Math, Linear Algebra, Multivariable Calculus
- Programming: Object Oriented Programming, Objects & Design, Intro to ML
- Theory: Data Structures and Algorithms, Design & Analysis of Algorithms

## Technical Skills

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### LANGUAGES

- Proficient in Java, JavaScript, Python, C++
- Familiar with XML, SQL

### SOFTWARE & TECHNOLOGY

- Platforms: MS Windows, Linux
- Libraries/Frameworks: React.js, Node.js, MongoDB, Socket.io , Express , NumPy, Scikit-learn , Keras, Pandas, ROS
- Development Tools: IntelliJ, Junit, Visual Studio Code, and JupyterLab

## Work/Research

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### DATA SCIENCE INTERN - ABBVIE - (JUNE 2022 - AUGUST 2022)

- Worked on a team which sought to predict sales using an ML model
- Improved the efficiency of a function that was used for data processing
- Utilized ML techniques to tune the parameters of an XGBoost classification model
- Transformed input data using SQL and Python in JupyterLab

### VERTICALLY INTEGRATED PROJECTS - ACT DRIVING LAB - (JANUARY 2022- MAY 2022)

- Aided in the calibration of an RL model of a roundabout using python and TensorFlow
- Engaged in weekly team meetings to share progress and consolidate workload
- Utilized matplotlib to animate completed model

## Projects

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### ROBOJACKETS SOFTWARE TEAM - ROBOJACKETS - (SEPTEMBER 2021 -)

- Wrote software design documents, reviewed with the team, and proposed a schedule
- Developed new features for the robot simulation using C++, python, and ROS2

### ATOMZ BOARD GAME - ATOMZ.HEROKUAPP.COM

- Developed multiplayer online board game using a React.js frontend with typescript template
- Utilized Node.js backend with an express server and implemented Socket.io API for client-server communication

### CAMPUS DISCOVERY APP

- Worked with a team to create a website that allowed students and organizations to share events around the campus
- Implemented the MERN stack (MongoDB, Express, React.js, and Node.js)
- Organized code through the creation of diagrams such as Domain Models and SSD's