

Jacob Ashkenas

631-707-0451 | ✉ jacobashkenas@gmail.com | in [jacob-ashkenas](https://www.linkedin.com/in/jacob-ashkenas) | 🌐 [ashkenas](https://ashkenas.com) | jacobashkenas.com

EDUCATION

Stevens Institute of Technology

Bachelor of Arts in Computer Science

Hoboken, NJ

Aug. 2020 – May 2024

- **GPA:** 4.0
- **Awards:** Presidential Scholarship, Deans List 2020 – Present, Pinnacle Scholars Program

TECHNICAL SKILLS

Languages: C, C++, C#, Python, Java, JavaScript, Node.js, HTML, CSS, PHP, SQL, GraphQL

Software: Visual Studio, Eclipse, AWS, Git, MongoDB, Postman, Tableau, Excel, PowerPoint

EXPERIENCE

Abel Noser Holdings, LLC

Software Developer

New York, NY

Jun. 2023 – Present

- Developed and deployed a gRPC production API with a SQL backend to enable clients to efficiently integrate existing systems with external data.
- Implemented many SQL Server stored procedures to automate the production of custom client reports.
- Developed database utilities with WPF, C#, and XAML to reduce development time and redundancy in common procedures.

Stevens Institute of Technology

Web Development Course Grader

Hoboken, NJ

Jan. 2023 – Present

- Designed improved grading software to grade hundreds of students in minutes instead of hours.
- Answered student questions relating to web concepts such as routing, database access, and security.

Algorithms Course Teacher's Assistant

Aug. 2022 – Dec. 2022

- Provided personalized assistance to hundreds of students on topics such as algorithmic complexity, recursion, and graph algorithms to bridge any gaps in their understanding.
- Taught recitations and led exercises for over thirty students using C++ to further reinforce concepts.

Computer Architecture Researcher

Jun. 2022 – Aug. 2022

- Developed an ARM assembly emulator in Node.js with the React.js framework to facilitate the learning experience of students taking the computer architecture class.
- Created interactive visualizations for CPU registers, RAM values, and hardware circuits so that hundreds of students may better understand how their code runs on a hardware level to inspire further optimization.

BMW of NA

Data Science Intern

Woodcliff Lake, NJ

Jan. 2022 – May 2022

- Created new data aggregations in Tableau to construct useful visualizations for the evaluation of the market relevance of dozens of electric car charging networks to determine areas of focus in testing.
- Authored several new data tools with HTML and JavaScript to enable exploring previously unusable data.
- Modified and installed a new backend system using a JavaScript implementation of OCPP to test centralized control of car chargers over the internet for the improvement of electric grid efficiency.

PROJECTS

Qwirky | qwirky.jacobashkenas.com

June 2023 – Present

- Developed a full-stack web application with MongoDB, Express, React, and Node.js to enable online game-play for a popular board game.
- Implemented Firebase Authentication to allow users to log in with familiar Google credentials.
- Designed a websocket schema to enable real-time communication as players take their turns.

DCinbox | dcinbox.com

May 2021 – Aug. 2021

- Lead a team of four to create a full-stack web application that allows researchers to search through constituent newsletters.
- Aggregated over 170,000 emails using a PostgreSQL database for quick and responsive querying since researchers required speed and accuracy.
- Designed a search web page using CSS and JavaScript hosted on AWS EC2 to provide users with an intuitive querying tool.