

EDUCATION

- **Stevens Institute of Technology** Hoboken, NJ
Bachelor of Science in Computer Science; GPA: 3.59 *Expected Graduation: May 2023*
 - **Awards:** The Edwin A. Stevens Scholarship, Dean's List
 - **Coursework:** Data Structures, Algorithms, Systems Programming, Web Programming I & II (Graduate Level), Principles of Programming Languages, Database Management Systems, Operating Systems
- **Rochester Institute of Technology** Rochester, NY
Bachelor of Science in Computational Mathematics; GPA: 3.82 *Aug. 2019 – June 2020*
 - **Awards:** RIT Founders Scholarship, Dean's List

PROGRAMMING SKILLS

- **Programming Languages:** BASH, C, C++, Java, JavaScript, OCaml, Python, R, Rust, SQL, Sass, TypeScript
- **Technologies:** Actix, DataGrip, Django, Electron.js, Express.js, Flask, Gatsby.js, Git, GraphQL, IntelliJ IDEA, Jupyter Notebook, MongoDB, NGINX, Next.js, PostgreSQL, React.js, Redis, SSH, Tailwind CSS, Ubuntu, VSCode, Vim, Vue.js, WebSockets

EXPERIENCE

- **Stevens Institute of Technology** Hoboken, NJ
Course Assistant *Aug. 2021 - Present*
 - **Web Programming II (CS 554):** Grading assignments, and projects.
 - **Systems Programming (CS 392):** Proctoring exams, grading assignments, exams, and projects.
 - **Algorithms (CS 385):** Holding labs, proctoring exams, grading assignments, quizzes, exams, and projects.
- **DigitalOcean** New York, NY
Freelance Technical Writer *July 2019 - Present*
 - **Django Publications:** Writing technical articles pertaining to the structure and security of Django projects.
- **Koyeb** Lyon, France
Freelance Technical Writer *December 2021 - Present*
 - **Flask Publications:** Writing technical articles pertaining to the security of serverless Flask projects.
- **Eastech, Inc.** Tulsa, Oklahoma
Technical Writer and Web Developer Intern *June 2021 - Oct. 2021*
 - **Next.js Commerce:** Developed a Next.js e-commerce website for direct sales and customer service using TypeScript, Tailwind CSS and a Shopify backend.
- **MakeitHappen.nyc** New York, NY
Web Developer Intern *March 2021 - May 2021*
 - **React Redux E-commerce Platform:** Resolved regressions involving the use of React Router and security concerns involving the use of client-side JavaScript and Express.js.

RECENT PUBLICATIONS

- Ari Birnbaum, "How to Deploy a REST API with Flask and Fauna on Koyeb," Koyeb, February 3rd, 2022.
- Ari Birnbaum and Kathryn Hancox, "How To Harden the Security of Your Production Django Project," DigitalOcean, December 9th, 2020.

PROJECTS

- **Where is Maurice? (whereismaurice.com):** Currently, receives 15,000 views on average per month. It is a Gatsby.js project leveraging GraphQL, Contentful CMS, Leaflet.js, TypeScript and a custom SCSS framework.
- **Ari (ari.gg):** Portfolio site. Developed with Three.js, Next.js, TypeScript and Tailwind CSS.
- **Todoist Linux:** An Electron wrapper for Todoist.com with over 650 stars on GitHub. As the second largest contributor, I am responsible for the development of a11y features, menu bar support and system tray support.