Ari Birnbaum

Greater New York City Area

Objective: To secure a Summer 2022 internship in the field of Computer Science.

EDUCATION

- **Stevens Institute of Technology**   Hoboken, NJ

  Bachelor of Science in Computer Science; GPA: 3.45   *Expected Graduation: May 2023*
  - **Awards**: The Edwin A. Stevens Scholarship
  - **Coursework**: Data Structures, Algorithms, Systems Programming, Web Programming I & II (Graduate Level), Principles of Programming Languages, Database Management 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, TypeScript, OCaml, Python, R, Sass, SQL
- **Technologies**: DataGrip, Django, Electron.js, Express.js, Gatsby.js, Git, Intellij IDEA, Jupyter Notebook, MongoDB, Next.js, NGINX, PostgreSQL, GraphQL, React.js, Redis, SSH, Tailwind CSS, Ubuntu, Vim

EXPERIENCE

- **Stevens Institute of Technology**   Hoboken, NJ

  Course Assistant   *Aug. 2021 - Present*
  - **Web Programming II (CS 554)**: Holding labs, grading assignments, and projects.
  - **Systems Programming (CS 392)**: Holding labs, 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, design and security of projects leveraging the Django web framework.

- **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.
  - **iTracker Documentation**: Wrote internal technical documentation for the company's flagship iTracker product.

- **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.
  - **WordPress Marketing Website**: Resolved bugs pertaining to email processing and the use of SendGrid.

PUBLICATIONS

- Ari Birnbaum and Kathryn Hancox, "How To Harden the Security of Your Production Django Project," DigitalOcean, December 9th, 2020.
- Ari Birnbaum and Brian MacDonald, "How To Display Data from the DigitalOcean API with Django," DigitalOcean, December 4th, 2019.

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.
- **Ceiphr (ceiphr.com)**: Gatsby.js blog leveraging GraphQL, 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.