Ari Birnbaum

Greater New York City Area
github.com/ceiphr

EDUCATION

- **Stevens Institute of Technology** — Hoboken, NJ
  Bachelor of Science in Computer Science; GPA: 3.61 — *Expected Graduation: May 2023*
    - **Awards**: The Edwin A. Stevens Scholarship, Dean's List
    - **Coursework**: Data Structures, Algorithms, Systems Programming, Web Programming I & II (Grad. Level), Principles of Programming Languages, Database Management Systems I & II (Grad. Level), 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, Docker, Electron.js, Express.js, Flask, Gatsby.js, Git, GraphQL, Jupyter Notebook, MongoDB, NGINX, Next.js, PostgreSQL, React.js, Redis, SSH, Tailwind CSS, Ubuntu, Vue.js, WebSockets

EXPERIENCE

- **Stevens Institute of Technology** — Hoboken, NJ
  Course Assistant — *Aug. 2021 - Present*
    - **Theory of Computation (CS 334)**: Proctoring exams. Grading assignments and exams.
    - **Web Programming II (CS 554)**: Grading labs, quizzes, 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.

- **Jump Trading** — Chicago, IL
  TechOps Intern — *June 2022 - August 2022*
    - **DevOps-based Software Engineering**: TechOps interns will work with traders, operations, exchanges, and developers to optimize the trading environment and investigate and solve system issues.

- **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.

RECENT PUBLICATIONS

- Ari Birnbaum and Rachel Lee, "How To Secure Your Django Application with a Content Security Policy," DigitalOcean, April 18th, 2022.
- Ari Birnbaum, "Build a Rust speed test using Actix and WebSockets," Koyeb, April 4th, 2022.

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.