Toren Snyder

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EDUCATION

Brown University, *B.S. Applied Math & Computer Science*, 4.00/4.00 GPA — Providence, RI | Expected May 2029
Coursework**:** Data Structures & Algorithms, Differential Equations, Probability & Statistics, Functional Programming

WORK EXPERIENCE

Brown University, *Incoming Computer Science Teaching Assistant* — Providence, RI | Fall 2026
- Selected from a competitive applicant pool to be a Teaching Assistant for CSCI0170: Functional Programming
- Tasked with leading weekly lab sections, developing course content, hosting office hours, and mentoring students

MapLight, *Software Engineer Intern* — Berkeley, CA | June 2026 – Present
- Implemented privacy-first product analytics for a multi-tenant Rails platform serving campaign finance disclosure workflows for state governments, including Maine, Colorado, and Hawaii
- Built tenant-scoped visit and event tracking in PostgreSQL using Ahoy, with cookie-less client instrumentation via Hotwire/Turbo and masked IP storage
- Created Blazer dashboards for page views, unique visitors, and top user paths by jurisdiction to support product and stakeholder decision-making

Neighbors For a Better El Cerrito, *Freelance Software Engineer* — El Cerrito, CA | July 2025 – June 2026
- Architected the entire digital infrastructure for a grassroots PAC, integrating a custom web platform and voter data pipelines to power a 70% to 30% electoral victory against a heavily favored, $100k-backed opposition
- Integrated a secure, FPPC-compliant online donation portal using Stripe that drove a 30x increase in monthly donation revenue to over $16,000
- Migrated the campaign website from Google Sites to a custom JavaScript, HTML, and CSS stack and implemented a custom tax liability calculator, driving a 10x increase in average weekly traffic to 2,100 unique visitors
- Created PostgreSQL data pipelines to clean and standardize 17,000+ voter records, enabling the generation of high-propensity voter segments for targeted fundraising and outreach

Annenberg Institute at Brown University, *STEM Tutor* — Providence, RI | January 2026 – May 2026
- Selected for the Brown Collegiate Scholars Program to provide advanced math, computer science, and SAT instruction to public high school students in Providence
- Utilized research-backed high-impact tutoring techniques to strengthen students' problem-solving and quantitative reasoning skills

Sophie Hahn For Berkeley Mayor, *Data Science Intern* — Berkeley, CA | June 2024 – November 2024
- Analyzed datasets of 90,000+ voters using PostgreSQL and Pandas to optimize voter outreach, messaging, and fundraising strategy, helping raise over $215,000
- Led field engagement, canvassing 1,000+ households to collect geographic voter data
- Trained new volunteers and coordinated canvassing logistics, enhancing administrative and communication workflows
- Promoted from volunteer to paid intern based on performance and initiative

FEATURED PROJECTS

Finance Recruiting Tool | networkiqmvp.vercel.app **|** Next.js, TypeScript, PostgreSQL, React
- Built a full-stack cold-outreach platform that automates personalized email generation for finance recruiting, integrating Gemini LLM for message drafting and Auth.js for Gmail OAuth 2.0 for one-click delivery
- Designed a resume-parsing pipeline that extracts candidate details and matches them against a firm's database to generate tailored outreach rationales
- Architected with Next.js, Drizzle ORM, and Neon serverless PostgreSQL; deployed as a production-ready SaaS tool with 20+ users

Pathfinding & Graph Algorithm Visualizer | github.com/toren180 | Java
- Developed an interactive tool using Java Swing to visualize graph traversal and pathfinding algorithms, including Bellman-Ford and Dijkstra's algorithm
- Implemented real-time graphical feedback to showcase core algorithm logic, demonstrating how shortest paths and negative cycles are identified and managed

SKILLS

Languages: Python, JavaScript, TypeScript, Java, SQL, Ruby, HTML/CSS
Frameworks & Libraries: React, Next.js, Node.js, Pandas, Drizzle ORM, Rails
Developer Tools & Databases: Git, PostgreSQL, Stripe, Neon