

Theodore Halpern

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Education

Georgia Institute of Technology <i>Bachelor of Science in Computer Science GPA 3.64</i> Relevant Coursework: Systems and Networks, Design and Analysis of Algorithms, Linear Algebra	Atlanta, GA May 2027
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Experience

Software Engineering Intern <i>Meta Platforms, Inc.</i> • Architected streaming from a GraphQL server to the React Native app, reducing Facebook Marketplace feed latency by 50ms • Built an interactive visualization tool in React to display client and server performance logs, enhancing latency analysis • Refactored server-side marketplace listing generation for incremental delivery, enabling early client-side rendering • Validated product improvements by designing and executing A/B tests with statistically significant control/test groups to isolate the precise impact of new features	May 2025 – August 2025 Seattle, WA
Software Engineering Intern <i>Meta Platforms, Inc.</i> • Created 3 TypeScript React websites with full stack technologies such as Prisma ORM, PostgreSQL, Express, and Supabase • Used the Relay GraphQL client to combine and cache all server requests from a Type-GraphQL and Apollo Server backend • Ensured high code quality and accessible design with Jest TypeScript unit tests, CI/CD with GitHub Actions, and Lighthouse • Fixed faulty links in my team's Meta internal tool by extending the GraphQL API schema with PHP	June 2024 – August 2024 Menlo Park, CA
Tech Counselor <i>iD Tech Summer Camps</i> • Taught students ages 7-17 in groups of 4-10 technical skills such as Blender, Unreal Engine, Microcontrollers, JavaScript • Expressed concepts in digestible pieces and customized projects and lessons based on different learning styles and student interest. Wrote 70+ unique and thoughtful diplomas	May 2022 – August 2023 Seattle, WA
Leadership & Community Involvement	

Data Structures and Algorithms Teaching Assistant <i>Georgia Tech College of Computing</i> • Facilitated office hour sessions, offering personalized guidance to students on advanced topics, including Dynamic Programming, Rabin-Karp pattern matching, and Binary Search Trees • Graded homework and exams, providing individualized feedback on algorithmic time complexity and Java coding style • Taught weekly recitation sections where course material was solidified and applied to interview-style programming problems	January 2025 – Present Atlanta, GA
After School Coding Instructor <i>CodeAdvantage</i> • Improved tech literacy in DC area Elementary schools by teaching computer skills, Scratch programming, and Lego Robotics	January 2024 – May 2024 Washington, D.C.

Projects

BikeBuddy C++, ESP32, & SPI 1rd Place Hardware Track at HackGT 12 • Integrated ESP32 cameras and TFT SPI screens. Eliminated brown outs with careful wiring and soldering	September 2025
Calm Connect Next.js, TwilioSMS, & Prompt Developer • Integrated Twilio SMS, provisioned phone numbers, and configured webhooks for inbound/outbound messaging. Displayed conversationally scheduled appointments using SSR React components with CRUD for clinic and therapist users	September 2024
WildTrek Flask, Azure, & MongoDB Won Most Innovative (out of 25 teams) • Implemented frontend design, achieved a responsive mobile-first ui, integrated functionality, and elegance. Used Jinja to render all HTML so web pages would be free from pop-in • Deployed a Flask app to Azure with blob photo storage while coordinating with a teammate's MongoDB authentication server	May 2023

Technical Skills

Languages: JavaScript, CSS, HTML, Python, Java, TypeScript, Hack, PHP, C++, C, SQL
Frameworks: React, GraphQL, React Native, Next.js, Apollo, Relay, Vite, three.js, Flask, Jinja, selenium, ESP-IDF, TFT_eSPI