

HENRY THOMAS HARRIS

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, College of Computing

Atlanta, Georgia

Bachelor of Science in Computer Science

December 2020

GPA: 3.90

- Minor: Computing & Business through the Steven A. Denning Technology & Management Program
- Threads: Artificial Intelligence and Systems & Architecture
- Certificate: "Global Leadership – Conducting Business in China" from Shenzhen University
- Barcelona Study Abroad Program

March 2019

May – July 2018

TECHNICAL SKILLS

Languages: Java, Python, Ruby, JavaScript, C, PHP, HTML, CSS, SQL, Rust, C++

Other: Rails, Node.js, Laravel, Git, React, Redux, Heroku, AWS, macOS, Linux

EXPERIENCE

PALANTIR TECHNOLOGIES

Denver, Colorado

Software Engineer

January 2021 – Present

- Work as a backend engineer on the core object model and microservices used by commercial and government clients
- Owned and led multiple engineering projects for a service that automatically runs natural language processing models on ingested documents to extract and tag entities in them
- Planned and executed a cross-organization cutting project to implement shared property types into the Foundry ontology as a first step in unifying the ontologies of two distinct systems to make them more cohesive
- Engineered and implemented a new job architecture for two microservices to enable being deployed in a multi-node fashion improving availability of the services
- Designed and developed a backend store for user subscriptions within the platform to abstract away technical complexity from different services and the frontend
- Implemented batching in the job architecture of a service to save time and compute when re-running failed jobs
- Mentored two full-time engineer new hires through daily syncs to facilitate onboarding and accelerate ramp up to the team

SALESFORCE

San Francisco, California

Software Engineer Intern

May – August 2020

- Built enrollment and verification flows integrating with Salesforce's Verification as a Service to provide multi-factor authentication to users
- Migrated public key management and JWT validation logic off deprecated API to eliminate the dependency on the service
- Researched, planned, and led development on an epic to add the ability for support to generate temporary tokens for users
- Added extensive tracking of email confirmations useful in decisions surrounding device activation and account takeover

BIG NERD RANCH

Atlanta, Georgia

Software Engineer Intern

May – August 2019

- Investigated and optimized multiple memory bloating requests cutting the app's overall memory usage in half
- Implemented caching to reduce average page load times by 300% after engaging with a third party to perform load testing
- Engineered and implemented multi-index search, providing admins and users a seamless experience managing and searching multiple indices

SELLER LABS

Atlanta, Georgia

Software Engineer Intern

May – August 2017

- Developed new features for an internal support system for four different products to increase functionality and effectiveness of customer service teams
- Planned, designed, and implemented an affiliate tracking system to accurately track subscriptions, allowing the marketing team to use the data to strategically target markets and ultimately increase revenue

LEADERSHIP

GEORGIA INSTITUTE OF TECHNOLOGY

Atlanta, Georgia

Head Teaching Assistant / Computer Organization and Programming (CS 2110)

August 2018 – December 2020

- Overhauled entirety of course in coordination with professor to adhere to new assessment structure and schedule
- Organized, led, and managed team of ten TAs in charge of 250+ students enrolled in the course per semester
- Taught recitation twice a week to 50+ students on topics from digital logic, assembly, and C fundamentals
- Designed, authored, and reviewed projects, homework, and tests to effectively evaluate student proficiency

SKILLS/INTERESTS

Languages: Spanish – conversational, English – native

Interests: Running, ultrarunning, rock climbing, mountaineering, alpinism, and skiing