Eric Mark Martin

I am a computer science student with a deep passion for programming language theory, software systems, clean code, and their collective application in pursuit of realizing great ideas.

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Education

Transcripts Available Upon Request

Stanford University | M.S. Candidate in Computer Science
January 2020 - June 2022 (Expected) | Theory Track

Stanford University | B.S. Candidate in Computer Science
September 2017 - June 2021 (Expected) | Systems Track | Cumulative GPA: 4.0

Linear Algebra and Multivariate Calculus	Design and Analysis of Algorithms	Probability for Computer Science	Databases
Machine Learning	Networking	Computer Science Ethics	Compilers
Advanced Data Structures	Group and Ring Theory	Programming Language Theory	Mathematical Logic
Undergraduate Research in Symbolic Execution			

Columbia University | High School Visiting Student
June 2014 - June 2017 | Cumulative GPA: 4.17

Discrete Mathematics	Computer Science Theory

Experience

Asana | Software Engineering Intern
Summer 2019, San Francisco, CA

Wrote mobile infrastructure code in Scala, added exponential pagination for API endpoints, prototyped GraphQL for API development

Added keyboard shortcuts to iPad app.

Cheddar | Software Engineering Intern
Summer 2018, New York, NY

Rewrote iOS App with MVVM, SnapKit, and extensive functional reactive programming against a GraphQL API, including custom video player controls.

Trigger Finance | Software Engineering Intern
Summer 2017, New York, NY

Extended iOS app to allow for creation and toggling of in-app visual themes.

Built backend API to create trigger objects from natural language using custom parsing logic.

Dudley Lab: Department of Genetics and Genomic Sciences, Mount Sinai School of Medicine | Volunteer Research Intern
Summer 2016, New York, NY

Assisted researchers in obtaining, parsing, and analyzing results from data mining and natural language analyses.

Built genetic information visualizer for internal and licensed use to pharma companies

Conductor | DevOps Intern
Summer 2015, New York, NY

Extended in-house tool to collect and visualize company performance metrics and automatically upload commits to code review service.

Worked on re-architecting of a high-speed SERP processor for SEO keyword analytics

Skills

Computer Languages (alphabetically)
Proficient in C, C++, Java, Javascript, Objective-C, OCaml, Python, Swift, Wolfram Language, Rust, Scala
Familiar with Elixir, Go, Haskell, Julia, ReasonML, Starlark

Technical Skills Languages (alphabetically)
Data Systems, Backend / API Development, Data Analytics, Data Science, Mobile & Web Development, Functional (Reactive) Programming, Software Systems Engineering, Software Architecture, GraphQL, Bazel

Other
English (Native, Fluent), Mandarin (Conversational), Writing, Project coordination, problem-solving

Awards

Columbia Preparatory School: Salutatorian, Computer Science Award, Computer Department Award, Physics Award, Calculus Award, Mandarin Award, Music Award, Tufts Seminar Award | Dream it. Code it. Win it: Finalist | NYSSMA: All-State Flutist

Hobbies

Orchestra, Chamber Music, Stanford Space Initiative, Student Theater @ Ram's Head Theatrical Society