

Ethan Arnold

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EDUCATION

UNIVERSITY OF TEXAS

BS IN COMPUTER SCIENCE
AND MATHEMATICS
May 2019 | Austin, TX
Turing Scholars Honors Program

LINKS

github.com/masonsbro
[linkedin.com/in/ethanarnold](https://www.linkedin.com/in/ethanarnold)

COURSEWORK

COMPUTER SCIENCE

CS 314H: Data Structures
CS 311H: Discrete Math
CS 109: Competitive Programming
CS 429H: Computer Architecture
CS 439H: Operating Systems
CS 345H: Programming Languages
CS 388M: Communication Complexity
CS 331H: Algorithms & Complexity
CS 378H: Data Mining
CS 346: Cryptography
CS 388R: Randomized Algorithms
CS 378: Geometry of Data Science
CS 388C: Combinatorics
CS 378: Concurrency

MATH

M 367K: Topology I
M 373K: Algebraic Structures I
M 365C: Real Analysis I
M 328K: Number Theory
M 362K: Probability
M 340L: Linear Algebra
M 361: Complex Analysis

SKILLS

PROGRAMMING

Python • Java • OCaml

EXPERIENCE

JANE STREET | TRADING INTERN

May 2018 - August 2018

- Created models for market phenomena.
- Researched new trading ideas.
- Participated in weekly mock trading exercises.

HUDSON RIVER TRADING | INTERN

January 2018

- Wrote performant code for processing marketdata.
- Analyzed historical data from equities markets to predict price moves.
- Designed trading signals and wrote an algorithm to trade on them.

JANE STREET | SOFTWARE DEVELOPMENT INTERN

May 2017 - August 2017

- Created a configurable network monitoring tool that sends alerts upon certain types of state changes in the network.
- Implemented a new feature for more flexible administration of a core trading system.
- Designed and implemented a general-purpose library for certain kinds of logging and debugging.

GOOGLE | SOFTWARE ENGINEERING INTERN

May 2016 - August 2016

- Productionized Java tool for statically analyzing dependency graphs and identifying potential errors in configuration files.
- Designed robust solutions to ambiguous problems in the tool's specification to avoid any gaps in error detection.
- Collaborated with a team to determine key use cases of the tool and develop an intuitive command line interface as well as an API that can be used for automated testing.

AWARDS

2019	28th place	ACM ICPC World Finals
2018	1st place	ACM ICPC Regional Competition
2018	65th place	ACM ICPC World Finals
2017	1st place	ACM ICPC Regional Competition
2016	4th place	ACM ICPC Regional Competition