Jarrod D. Dunne

Houston, TX • (919) 791-9255 • jarrodddunne@gmail.com • jddunne.com • /in/jarroddunne

Education

Rice University — Houston, TX
B.S. Computer Science – GPA: 4.03 / 4.33 — Aug '16 – Dec '19

Work Experience

Plaid — San Francisco, CA
Software Engineer, Intern — May '19 – Aug '19

Migrated existing Go services to use mutual Transport Layer Security for gRPC remote procedure calls. Deployed a service using AWS Cloudformation to export metrics from network and application load balancers to Prometheus logging stream. Collaborated with other engineers to develop service that manages interactions with Mongo database.

Microsoft — Redmond, WA
Software Engineer Intern — May '18 – Aug '18

Collaborated with designers, software engineers, and program managers to implement a video editor feature in React and Typescript for an internal content management tool within Universal Store division, capable of editing video closed captions, transcript, thumbnail, and metadata.

Quantlab — Houston, TX
Technology Intern — Jun '17 – Aug '17

Quantlab is a technology-driven firm supporting large scale quantitative operations across a wide range of global financial markets. Optimized high performance data streaming in Lua, leading to a 15% increase in streaming speeds. Developed a Python utility for developers and traders to query and interact with data from a distributed database.

The Inventor's Guild, Inc. — Houston, TX
Inventor — Nov '16 – Present

The Inventor's Guild is a student think tank and consulting firm that has won over three dozen awards, consulted for over two dozen start-ups, and formed professional relationships with many companies. While an Inventor, also provided freelance software development consulting for multiple clients.

Leadership

Rice University Department of Computer Science — Houston, TX
Head Teaching Assistant, Head Autograder Teaching Assistant — Aug '17 – Present

Head TA for COMP 382: Reasoning About Algorithms. Led 30 graduate and undergraduate TAs for a class of 175 students. Responsible for organizing homework and exam grading and leading recitation sessions.
Head Autograder TA for COMP 182: Algorithmic Thinking. Led 3 TAs in the development of an autograder for Python homework assignments.

Rice University Office of Information Technology Help Desk — Houston, TX
Lead Student Computing Consultant — Sep '16 – May '19

Oversee 20 Student Computing Consultants (SCC) at IT Help Desk. Conduct hiring and training of new SCCs each semester, schedule shifts, and developed automated ticketing and print refund system at the Help Desk.

Boy Scouts of America – Troop 364 — Raleigh, NC
Eagle Scout, Senior Patrol Leader — Jul '08 – Apr '15

Served as Senior Patrol Leader for 6 months, leading 60 Scouts and adults at weekly meetings and monthly campouts. Planned, organized, and executed Eagle Scout Project to build computer lab for Community Outreach Program of Roanoke, VA, involving over 150 person-hours, 25 scouts, adults, and students.

Skills

Experience with C/C++, Python, Go, Java, Typescript, React, Linux, Docker, Test-Driven Development.
Exposure to Javascript, LaTeX, Bash, Android Studio, Autodesk CAD.