

Jarrold D. Dunne

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Education

Rice University

B.S. Computer Science – GPA: 4.08 / 4.33

Houston, TX
Aug '16 – May '20

Work Experience

Microsoft

Software Engineer Intern

Redmond, WA
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

Technology Intern

Houston, TX
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.

Inventor

Houston, TX
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 including Pebble and Google[x]. While an Inventor, also provided freelance software development consulting for multiple clients.

Rice University Office of Information Technology Help Desk

Lead Student Computing Consultant

Houston, TX
Sep '16 – Present

Assist faculty, staff, and students with account management, data recovery, and network connectivity. Promoted to Lead starting Fall 2017. Oversee 20 Student Computing Consultants (SCC), and conduct hiring of new SCCs, schedule shifts, update policies, and maintain infrastructure at the Help Desk.

Projects

HackRice 7

Application Team, Logistics Subcommittee

Houston, TX
Oct '16 – Present

Worked with team of students at Rice University to develop a web application for application process for HackRice. Involved 12 students working over seven months on a 5000 line web application using Python and Flask. Later worked with Logistics Subcommittee, responsible for registration transportation, facilities, prizes, and admission for HackRice.

ENGI 120: Intro to Engineering Design

Seek the Leak

Houston, TX
Aug '16 – Dec '16

Freshman engineering design team tasked by Rice University Facilities, Engineering, and Planning to build device to detect and locate leaks on Rice University Campus. Successfully designed and built device, utilizing a Raspberry Pi, audio signal processing, and Scientific Python Stack, which lead to successful detection and location of underground water leak.

Leadership

Boy Scouts of America – Troop 364

Eagle Scout, Senior Patrol Leader

Raleigh, NC
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 Python, Java, Typescript, React, Lua, Linux, Git, Test-Driven Development, Arduino/Raspberry Pi. Exposure to Javascript, HTML, CSS, C, C++, Scheme, L^AT_EX, Bash, Android Studio, Autodesk CAD.