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Ryan Foulke

BS and MS Candidate at Stanford University

Interested in leveraging skills in technology to improve society and increase human happiness

Education

Stanford University (2019 - present)
- MS in Computer Science
- GPA: 3.9
- Expected Graduation: 2020

Stanford University (2016 - present)
- BS in Science, Technology, and Society
- GPA: 3.8
- Expected Graduation: 2020

Cerro Coso College (2012 - 2016)
- Associates in Math and Science
- GPA: 4.0 - Ranked 1st in class

Mammoth High School (2012 - 2016)
- GPA: 4.8 - Valedictorian

Programming

(In Order of Experience)

1) C++
2) Python
3) C
4) Java
5) Unix
6) R
7) JavaScript
8) React
9) SQL
10) Arduino

Relevant Coursework

CS 106a: Programming Methodology
CS 106b: Programming Abstractions
CS 107e: Computer Systems from the Ground Up
CS 110: Principles of Computing Systems
CS 161: Design and Analysis of Algorithms
CS 109: Probability for Computer Scientists
CS 102: Big Data
CS 402: Designing Technological Tools
Engr 145: Technology Entrepreneurship

Awards

Scholarships
- District Attorney Merit-Based Scholarship
- Presidential Award

Mammoth Mountain Ski Team (2005 - 2016)
- Junior Olympic Team 2014 - 2016
- Far West Academic Elite Ski Team
- 2nd in California/Nevada State Championship

Stanford Ski Team (2016 - 2018)
- Qualified for College Nationals 2017 and 2018

Additional Interests

1) Spikeball
2) Golf
3) Backcountry Camping
4) Educational Technology
5) Scuba Diving
6) Sailing
7) Basketball
8) Chess

Projects and Professional Experience

Stanford CS Department - CURIS Research Intern (2019)
- Worked on a set of projects that revolve around improving collaboration in small and large groups
- Researched teams' propensity to fracture as time progressed
- Helped develop software applications that improve the ease and flexibility of implementing computational social science experiments on a large scale

Local Hive - Human Centered AI Project (2019)
- Local Hive is an AI-powered application that addresses poverty, fragility, and violence to help communities in conflict areas flourish by bringing people together to learn from and support one another
- Project founder and head software engineer
- Built prototypes and managed design decision
- https://hci.stanford.edu/courses/cs377e/2019/sp/projects/ResQ/

Building Blocks of Life - Educational Tech Project (2018)
- Educational tool for K-12 students to learn empathy and emotional strength
- Founder and design engineer
- Presented at the Learning, Design and Technology Expo 2019

Janus Henderson - Global Macro Intern (2017)
- Janus Henderson is a global asset manager with $330 billion in AUM
- Developed a database and algorithm to preform analysis and visualization of global economic data
- Analyzed corporate bonds, managed portfolio duration, and traded futures and swaps contracts

Goldman Sachs - Informational Rotating Intern (2017)
- Rotated amongst Goldman Sachs financial services divisions

Rimrock Capital - Summer Intern (2016)
- Rimrock is a hedge fund specializing in relative value credit with $4 billion in AUM
- Worked directly with the marketing and client servicing team to improve record keeping

Leadership, Affiliations, and Volunteer Service

Seamester - Crew Member on an 88' schooner
- Received Scuba certifications for Open Water, Advanced, and Rescue diving
- Received sailing certifications for International Crew Member, VHF Operator, and Navigation Master

Stanford Spikeball Club - President
- Develop member enthusiasm and organize competitions

Christian Union - Operations Manager
- Organize events and ensure compliance with diversity and inclusion policies

GOAL Foundation - Volunteer
- Review scholarship applications and draft scholarship letters