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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
- Specialization in Human-Computer Interaction
- GPA: 3.9

Stanford University (2016 - present)

- BS in Science, Technology, and Society
- Concentration in Innovation and Organization
- GPA: 3.8

Cerro Coso College (2013 - 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++ | 6) R |
| 2) Python | 7) JavaScript |
| 3) C | 8) React |
| 4) Java | 9) SQL |
| 5) Unix | 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 | 5) Scuba Diving |
| 2) Golf | 6) Sailing |
| 3) Backcountry Camping | 7) Basketball |
| 4) Educational Technology | 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 perform 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

Seamster - 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