Rashid Al-Abri

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EDUCATION

Stanford University **Stanford, CA**
B.Sc. Computer Science, Biocomputation Track (GPA 4.0/4.0) *Expected June 2023*
Relevant Coursework: Data Mining and Analysis; Genetics, Evolution, and Ecology; Computer Organization and Systems; Computer Vision Foundations and Applications; Programming Abstractions in C++; Introduction to Probability for Computer Scientists; Mathematical Foundations of Computing

TECHNICAL EXPERIENCE

The Snyder Lab, Stanford Medicine **Stanford, CA**
Research Assistant *Aug 2020 - Present*
- Engineered data analysis pipeline to elucidate role of repeat expansions using whole genome sequencing data of 38 cancers and more than 2000 patients
- Achieved 48-fold reduction in task completion time by integrating multi-core parallel processing

Pathways Lab, Stanford Grad. School of Education **Stanford, CA**
Software Developer *Dec 2019 – Mar 2020*
- Programmed and maintained React frontend and Django backend application used by over 14,000 users in a SCRUM environment with 10 team members

PROJECTS

Efficacy of Novel Biological Assay *Autumn 2020*
- Evaluated predictive efficacy of novel biological assay for heart disease compared to gold standard
- Built multiple models such as logistic, random forests and SVM and compared using cross-validation

Heap Allocator *Winter 2019*
- Designed a comprehensive low-level implementation of heap memory management functions in C
- Created data structures to maximize utilization and optimized algorithms to decrease instruction count

LEADERSHIP

Stanford Queer Engineers **Stanford, CA**
Social Media and Marketing Executive *Jan 2021 – Present*

Hack Club **Victoria, BC**
President *Sep 2018 – July 2019*
- Organized on-campus interview with Flickr and Slack founder, Stewart Butterfield, and inspired 12 members to pursue computing-related fields

PROGRAMMING SKILLS

- Graphic Development: HTML, CSS, JavaScript, React, Redux
- Technical: C, C++, Java, Python, Django, Django REST Framework, PostgreSQL, MySQL
- Scientific: NumPy, Pandas, Matplotlib, Seaborn, Multiprocessing, Scikit Learn, Scipy, R