Koa Fisher

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Education

Brigham Young University   Provo, Utah

Bachelor of Science in Applied and Computational Mathematics   April 2018

- GPA 3.26/4.00
- Minors: Music, Physics, and Computer Science
- *Regents Scholarship* (State of Utah), Academic
- *Doyle C. and Sandra J. Udy Scholarship*, Academic
- *Questar Scholarship,* Academic

Skills

- Python (numpy, scipy, …), C/C++, Matlab, UNIX shell, Git, SVN, Java
- Fluent Spanish

Experience

Sandia National Laboratories   May - Sept. 2016, May - Present 2017

Student Intern

- Manipulated and contributed to previously implemented code related to research
- Solved problems and coded solutions in order to visualize progress on a verification problem
- Learned new ways of working with code and thinking
- Worked efficiently with mentor and team members to get precise results and improve current code

BYU – Math Department   August 2016 – April 2017

Teaching Assistant

- Helped students implement and debug code to progress their learning
- Explained concepts that students needed in order to code proficiently in clear concise terms
- Understood inner workings of the test driver used and interpreted code in student solutions

BYU – College of Physical and Mathematical Sciences   August 2014 - Present

Student Advisor

- Aided students with picking classes to further their academic progress
- Maintained order in an office setting during peak hours of activity
- Found answers to questions and gave useful information
- Scheduled and coordinated appointments for full-time advisors

City of Orem   May - Sept. 2015

Shift Supervisor

- Maintained an environment of order and wellbeing at a public swimming pool
- Supervised the quality of work of 20 lifeguards and admissions staff
- Trained lifeguards in necessary job skills, communicating needed improvement in a positive manner
- Attended the needs and complaints of patrons respectfully

Volunteer Service

The Church of Jesus Christ of Latter-day Saints   May 2012 - May 2014

Volunteer Representative   Iquitos, Perú

- Followed a rigorous daily work schedule to obtain maximum results
- Worked with other volunteers as a team to help improve our quality of work
- Solved problems daily to help others progress in life

Student Advisory Council for Applied and Computational Mathematics – BYU   August 2017 - Present

President

- Planned activities to promote applied mathematics at BYU
- Directed students in order to execute planned activities for the benefit of other students
- Worked in sync with professors and students in order to aid the success of the applied mathematics program