Jacob P. Park

QUANTITATIVE & SCIENTIFIC PROGRAMMER

Bay Area   (510) 717-5296   jacob.p.park@sjsu.edu

EXPERIENCE

SJSU Physics Dept.- *Associate Researcher*

San Jose, CA MARCH 2017 - PRESENT

- Diagonalized sparse matrices to calculate thermodynamic properties of quantum many-body systems
- Developed algorithms for parallel processing information at an off-site supercomputer and tracked their job management using Slurm Workload Manager
- Gave culminating research presentation at APS March Meeting 2019

Motive Retail - *Software Developer Intern Startup*

Louisville, CO JANUARY 2016 - JUNE 2016

- Implemented website applets for the company's main home that gave a more responsive and visually appealing client experience
- Edited XML documents for sending collected data as a part of the company's services
- Participated in standup meetings involving giving daily progress reports

EDUCATION

San José State University - *M.S. Physics (GPA 3.6/4.00)*

San José, CA, Graduated August 2019

Relevant Coursework:

- Computational Physics
- Numerical Analysis
- Quantum Mechanics 1
- Solid State Physics

Colorado University at Boulder - *B.S. Engineering Physics (GPA 3.37/4.00)*

Boulder, CO, Graduated December 2016

Relevant Coursework:

- Intro to Engineering Computing
- Intro to Data Structures
- Software Development Methods & Tools

SKILLS

UNIX, Bash, Linear Algebra, Matlab, C++, Python, Numerical Analysis