

Joseph Phan

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Education

Santa Clara University

June 2018

B.S. in Computer Science and Engineering

Current GPA: 3.65

Work and Volunteer Experience

Operations Management and Information Systems

Santa Clara, CA

Research Assistant

Nov 2015 - Present

- Worked with Professor Haibing Lu from Santa Clara University to develop and test new algorithms in data mining.
- Assisted in the development of the algorithm, programmed the algorithm, gathered experimental data, and interpreted the results.

STEM Enrichment

San Jose, CA

Volunteer Instructor

Sept 2015 - Dec 2015

- Led an after school program for fifth graders to teach them the different fields of engineering and prepared them for the Tech Museum challenge.

Mountain View Dragonboat

Mountain View, CA

Team Captain

Aug 2013 - Aug 2014

- Managed paperwork, finance, and fundraisers
- Handled communication with race directors.
- Mentored new recruits and lead team building events

Games Published

Bounded

Milpitas, CA

Game Programmer, Game Designer, and Lead Artist

Jun 2015 - Sept 2015

- Programmed the physical properties of the game objects
- Planned out the rules, objects properties, and overall structure

Betrayal

Milpitas, CA

Game Programmer, Network Engineer, and Lead Artist

Jun 2016 - Aug 2016

- Handled client-server communication
- Created user interface and outlined the information flow throughout the game

Skills

Programming & Markup Languages

- C, C++, Python, Java, JavaScript, PHP, HTML, CSS

Tech Tools

- Git, Android Studio, Photoshop, Arduino, Socketio, LibGDX, CPLEX, NodeJS, Eclipse, Linux Environment, Powerpoint, Excel, Word

Research Papers

Exact Algorithms for Fault - Tolerant Tile Mining 2nd Author, (under review)

August 2016

Dynamic Workflow Adjustment with Security Constraints 2nd Author, (in progress)

Present

Interests

- Basketball, camping, indoor rock climbing, magic, board games