

# James Kit Tam

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## EDUCATION

University of California, Davis, CA

Bachelor's of Science in Computer Science, June 2016

*Courses:* Data Structures and Programming, Algorithm Design and Analysis, Programming Languages, Theory of Computation, Computer Architecture, Information Visualization, Software Engineering, Networks, Operating Systems, Security, Databases

## COMPUTER SKILLS

*Languages & Software:* Java, C#, C++, C, Python, HTML, JavaScript, Git, Word, Excel, PowerPoint, Publisher, Outlook, Photoshop, Illustrator

*Operating Systems:* Windows, Linux, Mac OSX

## PROJECTS

**Ported** a clone of the real-time strategy video game *Warcraft II* from Linux to Windows with Visual C#.

**Visualized** a database of several NBA matches using Processing to show player movements.

**Engaged** in the collaborative development of a multiplayer arcade game where team members learned the values of teamwork, communication, responsibility, and technical aspects including version control (Git), and game engine (Unity) using C# and JavaScript elements.

**Developed** a mock music database search engine in C++ with different tokens used to hash and efficiently find elements.

**Coded** a casual game inspired by the web-based game Escapa in Java using the Lightweight Java Game Library (LWJGL) which utilizes concepts not limited to shapes, deltas, boundaries, and display updating.

**Published** a magic 8-ball inspired entertainment application in C# to the Windows Store as one of the first 2000 contributions.

**Built** a personal desktop from salvaged and new components to broaden knowledge of computer hardware while gaining a greater understanding of the PC parts market.

## EXPERIENCE

*IT Student Assistant*

August 2014-March 2015

Internship and Career Center, Davis, CA

- Maintained time-sensitive content on the ICC website by carefully updating information and links to retain relevancy and security.
- Acted as technical support for ICC employees and computers of the facility to sustain accessibility for many users including students, interviewees, and employers.
- Managed and assisted users of the Aggie Job Link system to facilitate access, provide job prospects information, and improve student and employer relationships.
- Prepared over 20 working obsolete computers for donation by ensuring proper component health and data wipe.
- Consolidated PHP code that generates forms across different events hosted by the ICC.

## EXTRA-CURRICULARS

*Junior Committee Officer*

February 2014

Davis Computer Science Club, Davis, CA

- Participated in internal operations as a junior committee officer for the Davis Computer Science Club including the planning, promotion, and event duty of club events.
- Engaged in the active development of an organization that guides students on the path of computer science and gained insight in the field.

*Volunteer*

March-April 2013

Cross Cultural Center, Davis, CA

- Cooperated office work for the Student Cross Cultural Center and created documents such as posters, flyers, and brochures pertaining to upcoming events and promoting them.
- Assisted in offstage duties as computer technician during Asian Pacific Culture Night.

## INTERESTS

Swimming, Basketball, Hiking, Biking, Piano, Music, Drawing, Photo Editing, Movies