Zhuoming (Jimmy) Zhou

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Education and Relevant Coursework

- Bachelor of Science degree in Chemistry from UCSB   Sept 2015
- Self-studied multiple programming languages and raised knowledge to sufficient levels in a bit more than a year
- Statistics, Advanced Linear Algebra, Computer Architecture, Data Structures and Algorithms

Skills and Capabilities

- **Platforms:** MS Windows
- **Computational Languages:** C++, Python, C#
- **Applications:** Microsoft Excel (able to use Pivot tables, charts, formulas), PowerPoint, Microsoft Word, Mathematica, Scifinder, MATLAB, Unity, Unreal Engine 4
- **Other skills:** Conversational Mandarin, Advanced English

Experience

Volunteer at UCLA Cardiac Computation Lab   Nov. 2015 - Present

- Researched the cell division cycle and utilized python to simulate it.
- Worked closely with graduate students and postdoc members of Qu's group.
- Used python to solve differential equations of biochemical reactions and currently trying to create comparison graphs.
- Gained experience in more research-oriented environments.

Game design and structural simulation in Unity   Jan. 2016 – Present

- Utilized C# to write scripts that would formulate movement of objects, UI interaction with events, and crude artificial intelligence for enemies in games.
- Created rudimentary simulation of the solar system, complete with textures, rotations, and etc.
- Designed and implemented multiple games ranging from 2D platformers to 3D driving/shooters.
- Currently designing site to hold the Unity projects, but able to e-mail the folders for verification.

Treasurer and founding member of Society of Asian Scientists and Engineers   Sept. 2014 - Jun. 2015

- Worked for a school year to establish and nurture a new, nationally recognized, club that focused its efforts on bringing Asians into leadership positions and qualify their capabilities.
- Was responsible for acquiring start-up funds and managing money, eventually enough to help pay for a few students' national conference fees to allow them to meet other SASE members and forge connections.
- Developed public speaking skills while leading meetings and info sessions.