

# Qian Liu

E-mail: qian@mat.ucsb.edu

Mail Address: El Colegio Road, Apt1331

University of California, Santa Barbara, CA 93106, USA

Phone: (650) 200-5588

Homepage: www.mat.ucsb.edu/qian

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## EDUCATIONAL BACKGROUND

- Master of Arts, 2009-present** Media Arts and Technology  
University of California, Santa Barbara, USA
- Bachelor of Engineering, 2005-2009** Digital Media Arts and Technology  
Beijing University of Posts & Telecommunications  
(BUPT), CHINA

## PROFESSIONAL EXPERIENCE

- Feb.2011** **Data Visualization, "The Hottest Book"**  
"The Hottest Book" is the second project of the Seattle Public Library series. This project is based on my own circular treemap algorithm, which displays the media type of a particular item, as well as which books are the most popular. This project is shown at MAT's open house for TEDACTIVE2011.
- Jan.-Feb.2011** **Data Visualization, "Culture Cellular"**  
"Culture Cellular" is a data visualization project based on the data from Seattle Public Library. It is the first project of a data visualization series. I created the cellular hexagons to represent the data, which means to explore the reading habits of local residents. This project is shown at MAT's open house for TEDACTIVE2011.
- Oct.-Dec.2010** **LuaAV project, "L/Particle System"**  
This is a project combined L-system and particle system to simulate a tree in 3D space with particles flying around in space.
- Sep.-Oct.2010** **MaxMSP project, "Gesture Agent"**  
"Gesture Agent" is a project using COSM, jitter and MaxMSP to make 30 agents(sphere) interact with the player based on motion detection.
- Mar.-Jun.2010** **OpenGL project, "Re-Act"**  
"Re-Act" is a project using super formula to create supershapes and applied shader to them. Also, the shapes has a beat detection which makes them able to interact with music.
- Mar.-Jun. 2010** **Group Project, "TableMAT", a Multi-touch Table**
- Jan.-Mar. 2010** **Game Design, J2ME game "Baby Avatar", UCSB**
- Jan.-Mar. 2010** **Electronic Music, "One Second"**  
"One second" is performed in MAT(Media Arts and Technology) 2010 "End of the Year" concert
- Dec. 2009** **Proposal, "CNSI heart"**  
"CNSI heart" is a proposal for the outside wall of California NanoSystems Institute (CNSI) building at UCSB campus.
- Jan.-Jun. 2009** **Director, 3Dimensional animation movie**
- Sep. 2008** **Internship, China Telecom, Network Development Department**  
Research about IPTV (Internet Protocol Television)-based digital media transmission
- Aug. 2008** **Leader and programmer, game design for Mobile phone**
- Jul.-Aug. 2008** **Director and Editor, short Movie "Dream Chasing"**
- Jun. 2008** **Member, "Audio Experimental" animation: "Jian Kang Ge"**
- Aug.-Sep. 2007** **Director and Editor, short Movie "A Hundred Yuan"**
- Mar.-Sep. 2007** **Member, development of Animation and web design of Digital Media Art Creative Laboratory**
- Jul. 2007** **Member, hosted with other BUPT students the "CCGF 2007" (China Computer Graphics Festival 2007) at BUPT**
- Apr.-Jun. 2007** **Team Leader and Director, cartoon film "The Olympic Fire"**

## SKILLS

Adobe: Premiere, After Effect, Photoshop, Dreamweaver  
Program: C, Java, Python, HTML, OpenGL, Processing, MaxMSP

## COMMUNITY ACTIVITIES

- Winter/2011**      **Teaching Assistant**, Introduction to Computer Science(Python), Computer Science Department, UCSB  
Introduction to computer program development for students with little to no programming experience. As a TA, I lead the lab to help students with their project assignment every week.
- Fall/2010**      **Teaching Assistant**, Introduction to Computer Science(Python), Computer Science Department, UCSB
- Spring/2010**      **Teaching Assistant**, Introduction to Computer Science(Python), Computer Science Department, UCSB
- Jul.-Sep. 2008**      **Volunteer**, 29th Beijing Olympic Games
- Dec. 2007**      **Member, University Evaluation Conference**  
Participated in the University Evaluation Conference as a student representative. I gave a talk about my college and shared thoughts with other delegations
- Mar. 2008**      **Member**, held a culture conference for a 30-member group from Hong Kong
- Feb. 2007**      **Member**, held a culture conference for a 30-member group from Hong Kong College of Technology

## GRANTS & AWARDS

- 2008      Second place, "Innovation Award" of BUPT with film "The Olympic Fire"
- 2008, 2007      First class scholarship (First 10%)
- 2006      Second class scholarship (First 15%)
- 2008, 2007, 2006      "Best student" award in BUPT

## EXCHANGE EXPERIENCE

- Feb. 2008**      **Hong Kong**  
As a student representative of BUPT went to Hong Kong College of Technology for an academic visit in order to introduce Chinese traditional culture.
- Jul. 2007**      **United States**  
As a student representative of BUPT paid a visit to the United States. Joined a conference about the development of Computer Science at San Jose State University.

## REFERENCES

Available upon request/ See more at [www.mat.ucsb.edu/qian](http://www.mat.ucsb.edu/qian)