

Peter Cheng

petercheng00@gmail.com
http://petercheng.net

Software Development Engineer, Lab126

Education

M.S. Computer Science, UC Berkeley (2012-2013)

- GPA 3.889, High Honors.

Management of Technology Certificate, Haas School of Business (2012)

- Completed 9 credits of MBA classes.

B.S. Electrical Engineering and Computer Science, UC Berkeley (2009-2012)

- GPA 3.835, High Honors.
-

Research

Video and Image Processing Lab: Dr. Avidesh Zakhor (2011 - 2013)

- Generated textured 3D models of indoor environments using a backpack system.
- Presented research at SPIE 2013 and 2014.

Vision Sciences Lab: Dr. Christine Wildsoet (2011)

- Developed Matlab and Python tools to analyze data from eye-tracking devices.
-

Work

Amazon Lab126: Software Engineer in Emerging Technologies (2013-present)

- Design, prototype, and evaluate new technologies for potential future products.
- Develop user studies and technical experiments to quantify technology value.

UC Berkeley Student Affairs IT: Lead Desktop Engineer (2011-2012)

- Hired and led a team to script patches and create virtual software packages.
- Represented students in campus negotiations with software vendors.

Arista Networks: Software Development Intern (2011)

- Worked on DHCP relaying module for Arista Extensible OS.
 - Implemented legacy-compatible packet handling and command-line interfaces
-

Recent Projects

Remoticon

- Developed a product for Android-based TV control with marketable analytics.
- 3D-printed components, designed PCB, and architected protocols for Bluetooth and infrared communication.

BTMesh

- Built Android framework for creating and connecting to Bluetooth mesh networks
- Implemented chat and file-transfer protocols and applications for the framework

Berkeley Online Student Scheduler

- Worked with campus employees to create a customizable scheduling website.
 - Maintained legacy features as well as databases from older web services.
-

Technical Experience

Programming

- Public Projects: <http://www.petercheng.net/projects>
 - Languages: C++, Java, Python, C, Ruby, Matlab.
-