

Peter Cheng

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UC Berkeley

MS Computer Science (2012-2013)

- Focus in Computer Vision, Mobile Technologies, Entrepreneurship

Haas School of Business (2012)

- Management of Technology Program

BS Electrical Engineering and Computer Science (2009-2012)

- GPA 3.835 with High Honors
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Research

Video and Image Processing Lab: Dr. Avideh Zakhor (2011 - present)

- Work on generating textured 3D models using an automated data acquisition system.
- Focus on feature detection, image mosaicing, object recognition.
- Will be presented at SPIE 2013 Conference

Vision Sciences Lab: Dr. Christine Wildsoet (2011)

- Analyzed and interpreted data from wearable eye-tracking devices.
 - Wrote scripts to search for correlations and generate graphical output.
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Recent Work Experience

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 for Arista Extensible OS.
 - Implemented packet handling options and command-line interfaces
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Notable Projects

Remoticon

- Developed a product for Android-based TV control
- Integrated channel listings from Rovi to improve browsing experience and collect marketable analytics.
- 3D-printed a casing, designed a PCB, and architected protocols for Bluetooth and infrared communication.

BTMesh

- Built an 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 closely with campus employees to create a new customized scheduling website.
 - Maintained legacy features as well as databases from older web services.
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Technical Experience

Programming

- Public Projects: <https://github.com/petercheng00>
 - Languages: C++, Java, Python, C, Ruby, Matlab.
 - Technologies: Android, Ruby on Rails, Heroku
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