Sam Posner

Software developer & creative technologist

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WORK EXPERIENCE

Android Consultant & Software Developer, Midnight Commercial   *Dec/2017 - Mar/2018*
- Consulted on Android camera SDKs and Google vision libraries for Samsung project.
- Conducted research on AR techniques; developed demo of face tracking in ARCore.

Computer Vision Consultant, Andy Cavatorta   *May/2017 - Jul/2017*
- Consulted on computer vision techniques for smart appliance project.
- Developed object detection and classification software with OpenCV and TensorFlow.

Software Developer, Midnight Commercial   *Jun/2016 - Feb/2017*
- Developed networking and image processing backends for clients' technology products:
  - Google Project Ara: OpenGL microlens array renderer for Tardigrade Biome.
  - Samsung smart appliance: modular camera system with OpenCV enhancement.
  - Target innovation project: Cinder tools to evaluate touchscreen interfaces.

Technology Evangelist, NetBurner, Inc.   *2015 internship*
- Designed and developed projects to showcase NetBurner's MOD5441x platform:
  - Insert Coin; Receive Bitcoin: embedded Bitcoin vending machine.
  - Packet Painter: hardware packet sniffer serving a JavaScript traffic visualizer.
  - Robot Remote: wireless Android controller for an Intelligent Robotic Arm.

Previous Experience:
- Engineering instructor at Waterside School: 3D printing and circuit design.   *2014*
- Web development contractor for Pickvee, Inc: Tomcat server, SQL, and GWT.   *2013*

PROJECTS

- Stress Beat: Python script to generate breakbeats from text morphology.
- RoboVision: real-time stereo visual odometer on the HTC Evo 3D Android device.
- AbsurdEngine: Android/iOS framework based on the XMLVM cross-compiler.

EDUCATION

2016 BA in Media Studies, conc. in Digital and Electronic Media. Pomona College
- Completed thesis on computer vision and biometrics, with Native Client demo.
- Published original research on *Neo-Piagetian Reasoning and Abstraction* (CCSC, 2015).
- Won People's Choice (Spring 2015) and Best Game (Spring 2013) at the 5C Hackathon.

TECHNICAL SKILLS

C++, Java, JavaScript, Python. Android, HTML5, microcontrollers. OpenCV, OpenGL. Blockchain.