Sam Posner

Software developer & creative technologist

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WORK EXPERIENCE

Computer Vision Consultant, Andy Cavatorta   *May/2017 - Jul/2017* in *Brooklyn, NY*
- 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* in *Brooklyn, NY*
- 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* in *San Diego, CA*
- 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.
- Produced live Twitter analysis and 3D visualization for *Motionfeed* performance (2013).

TECHNICAL SKILLS

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