# Sam Posner

*Software developer & creative technologist*

posner.zone

bitbucket.com/smpsnr || github.com/smpsnr

Brooklyn, NY

sam@posner.zone

(347) 352-0205

## 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.