

Jonathan Ostrander

Education

- 2010–2014 **Bachelor of Engineering, Mechanical Engineering**, *The Cooper Union for the Advancement of Science and Art*, New York, NY, *GPA – 3.63*.
Minor: Mathematics
- 2014–2015 **Master of Engineering, Nanoscale Engineering**, *SUNY College of Nanoscale Science and Engineering*, Albany, NY.

Experience

- January 2016 **Software Engineer**, BAMx, New York, NY.
- Present Full stack development of a real time bidding and native advertising web platform. Development involves a microservices architecture that includes a RESTful API using flask, a stats pipeline using S3, Redshift, and Redis, a Chrome extension, JS tags that run on publisher and merchant sites, and a FTP server that handles merchant product feeds.
- Fall 2014 - **Graduate Researcher**, SUNY RESEARCH FOUNDATION, Albany, NY.
December 2015 Researched under Dr. Gregory Denbeaux on multiple projects including the study of secondary electrons created in photoresists by EUV photons and the behavior of micro- and nano-particles in cleanroom environments.
- Summer 2013 **Consulting Intern**, COELLO CONSULTING, New York, NY.
Created and improved applications to parse DeltaV optimization files into more convenient file types (XML, HTML, PDF). This included creating summary files as well as a search service.
- Summer 2012 **Research Assistant**, COOPER UNION, New York, NY.
Worked with Professor David Wootton on a test stand and procedure to analyze the airway resistance of patients suffering from sleep apnea that was then used to verify simulated results.
- Summer 2011 **Assistant Teacher**, USDAN CENTER FOR THE CREATIVE AND PERFORMING ARTS, Wheatley Heights, NY.
Constructed sets for the theater department. Designed and manufactured props for multiple shows.

Skills

- Languages & Software Python, Javascript, SQL (MySQL, Postgres, Redshift), Docker, AWS, Redis, Elasticsearch
- General Machine Shop, 2D Laser Cutter, and 3D Printing

Hobbies

Ultimate Frisbee, Volleyball, Craft beer, Improv

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