

Education

- **Massachusetts Institute of Technology (MIT):** GPA - 5.0/5.0
Candidate for B.Sc. in Computer Science and Mathematics (double major) Cambridge, MA
2015 - 2018

Work Experience and Research

- **Google Brain** Mountain View, CA
Research Intern Summer 2017
 - Used style transfer based domain adaptation to improve semantic segmentation methods
- **Madry Lab, MIT CSAIL** Cambridge, MA
SuperUROP Sept 2017 - Present
 - Research on adversarial examples for deep learning models
- **Apple** Cupertino, CA
Software Engineering Intern Summer 2016
 - Developed cross-device database synchronization system for iOS in Objective-C and C++

Publications (* denotes equal contribution)

1. Anish Athalye*, Logan Engstrom*, Andrew Ilyas*, and Kevin Kwok. Synthesizing robust adversarial examples. *Demo at NIPS Machine Learning and Computer Security Workshop, in review at ICLR 2018*, 2017
2. Logan Engstrom*, Dimitris Tsipras*, Ludwig Schmidt, and Aleksander Madry. A rotation and a translation suffice: Fooling cnns with simple transformations. *NIPS Machine Learning and Computer Security Workshop*, 2017
3. Andrew Ilyas*, Logan Engstrom*, Anish Athalye*, and Jessy Lin*. Query-efficient black-box adversarial examples. *In review at CVPR 2018*, 2017
4. Daniel Kang, Richard Sherwood, Amira Barkal, Tatsunori Hashimoto, Logan Engstrom, and David Gifford. Dnase-capture reveals differential transcription factor binding modalities. *PloS one*, 2017

Selected Projects

- **TensorFire** (AI Grant Spring 2017 winner) TensorFlow, Python, JavaScript
In-browser, flaming-fast, gpu-accelerated deep learning 2017
 - 1000x faster web-based deep learning models than previous approaches
- **ConvNet for Fast Style Transfer** (4500+ GitHub stars) TensorFlow, Python
Add styles from famous paintings to any photo in a fraction of a second 2016
 - Deep convolutional neural network for high quality perceptual style transfer
- **Hextris** (1000+ GitHub Stars) JavaScript
More than 5,000,000 downloads - Free and open-source iOS/Android game 2014 - 2015

Awards

- **AI Grant** (<https://aigrant.org/>) *Grant Winner* 2017
- **Andreessen Horowitz Battle of the Hacks** *First Place* 2016
- **Greylock Hackfest** *First Place* 2016
- **WildHacks** (Northwestern's Collegiate Hackathon) *Grand Prize* 2015, 2016