

# Savvas Petridis

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## Education

### Columbia University in the City of New York

- BA in Computer Science, May 2017, GPA: 3.77/4.0  
Dean's List all semesters, NSF CIAN ERC Undergraduate Fellow
- MS in Computer Science May 2018, GPA: 3.76/4.0
- PhD in Computer Science, Expected May 2022

## Experience & Research

### IBM Research Intern – Cognitive IoT and Distributed Analytics

June 2017 – August 2017

- Engineered features to better the classification of IOT and non-IOT devices using machine learning methods.

### IBM Research Intern – Cognitive IoT and Distributed Analytics

June 2016 – August 2016

- Created a preliminary web tool meant to identify political bias in news articles. Collected and labeled keywords from political articles online and ran this training data through a convolutional neural network.
- Designed and developed an interactive web-based strategy game end-to-end in order to study how individuals make policy-related decisions.

### Wireless and Mobile Networking (WiMNet) Lab at Columbia University

June 2015 – February 2016

- Collaborated with a partner to create an interactive web-based application, which demonstrates the efficacy of feedback node selecting algorithms in a WiFi multicast network. **Featured:** NYC Media Lab Summit (**won second best demo**), IEEE Local Computer Networks conference, IEEE INFOCOM'16, and the GENI NICE conference.

### Intrusion Detection Systems (IDS) Lab at Columbia University

January 2015 – May 2015

- Improved user-interface and enhanced data visualization for WindTunnel, a framework that generates synthetic data on multiple layers of a web application to assess security controls during simulated “attacks.”

## Skills

- Highly proficient with: Python, Matlab, SQL, Git, JavaScript, HTML, and CSS
- Very familiar with: NodeJS, Django, AngularJS, and Agile Development
- Proficient with: Java, C++

## Publications

- L. Chilton, **S. Petridis**, M. Agrawala. “Visiblends: A Collaborative Design Tool for Visual Blends,” *in submission*.
- T. Alhindi, **S. Petridis**, and S. Muresan. “Where is your Evidence: Improving Fact-checking by Justification,” *FEVER Workshop paper at EMNLP 2018*.
- **S. Petridis** and L. Chilton. “Interpreting Visual Metaphors in Advertisements,” *Workshop paper at CVPR 2018*.
- V. Gupta, R. Norwitz, **S. Petridis**, C. Gutterman, G. Zussman, and Y. Bejerano, “AMuSe: Large-scale WiFi video distribution - Experimentation on the ORBIT testbed,” *Demo description in Proc. IEEE INFOCOM'16*, Apr. 2016.
- V. Gupta, R. Norwitz, **S. Petridis**, C. Gutterman, G. Zussman, and Y. Bejerano, “WiFi multicast to very large groups - experimentation on the ORBIT testbed,” *Demo at IEEE LCN'15*, Oct. 2015.