

## Savvas Petridis

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### Education

**Columbia University**, New York, NY USA

PhD, Computer Science

September 2017 - now

MS, Computer Science

September 2017 - May 2018

Research Area: HCI, Intelligent User Interfaces, Creativity Support Tools

Advisor: Prof. Lydia Chilton

BA, Computer Science

September 2013 - May 2017

GPA: 3.78/4.0, Dean's List all semesters

### Research Experience

**Columbia University**

*PhD Student*

September 2017 - now

- I study how people interpret visual communication and use this knowledge to design interactive tools to help people create powerful visual messages, like visual metaphors.

**Adobe Research**

*Creative Intelligence Lab Intern*

Summer 2019

Advised by Valentina Shin, Joy Kim, Mira Dontcheva, and Karrie Karahalios.

- Created a interactive storybook, where the graphics could be animated by the reader's voice in real-time. Conducted a pilot study with a few parents and their kids.

**IBM Research**

*Research Intern*

Summer 2017

Advised by Seraphin Calo and Maroun Touma.

- Engineered features to train a suite of models to classify devices communicating in a wireless network.

**IBM Research**

*Research Intern*

Summer 2016

Advised by Seraphin Calo and Maroun Touma.

- Created a preliminary web tool to classify political bias in news articles.
- Designed and developed an interactive web-based strategy game end-to-end in order to study how individuals make policy-related decisions.

**Wireless & Mobile Networking Lab at Columbia University**

*Undergraduate Research Assistant*

June 2015 - February 2016

Advised by Prof. Gil Zussman.

- 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 INFOCOM16, and the GENI NICE conference.

### Publications

**Savvas Petridis**, Lydia B. Chilton. "Human Errors in Interpreting Visual Metaphor". Proceedings of the 2019 on Creativity and Cognition, 187—197, 2019. (Oral)

Lydia B. Chilton, **Savvas Petridis**, Maneesh Agrawala. “VisiBlends: A Flexible Workflow for Visual Blends”. Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems, 2019. (Oral)

Tariq Alhindi, **Savvas Petridis**, Smaranda Muresan. “Where is your Evidence: Improving Fact-checking by Justification Modeling”. Proceedings of the First Workshop on Fact Extraction and VERification (FEVER) at EMNLP, 2018. (Poster)

Lydia B. Chilton, **Savvas Petridis**, Maneesh Agrawala. “An Interactive Pipeline for Creating Visual Blends”. The 31st Annual ACM Symposium on User Interface Software and Technology Adjunct Proceedings, 188—190, 2018. (Demo)

Varun Gupta, Raphael Norwitz, **Savvas Petridis**, Craig Gutterman, Gil Zussman, Yigal Bejerano. “AMuSe: Large-scale WiFi video distribution-experimentation on the ORBIT testbed”. IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPS), 2016. (Demo)

Varun Gupta, Raphael Norwitz, **Savvas Petridis**, Craig Gutterman, Gil Zussman, Yigal Bejerano. “WiFi Multicast to Very Large Groups-Experimentation on the ORBIT Testbed”. IEEE LCN, Oct. 2015. (Demo)

**Technical  
Skills**

**Languages :** Python, JavaScript, HTML, CSS  
**Database :** MySQL, PostgreSQL, Neo4j  
**Tools/Framework :** Flask, Django, Node.js,  
**Familiar :** Java, C++, Matlab