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 design, build, and evaluate intelligent interactive systems that help novices find and combine assets to build powerful visual communication.

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, Hijung Valentina Shin, Lydia B. Chilton. "SymbolFinder: Brainstorming Diverse Symbols using Local Semantic Networks". In submission at CHI 2021.

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, Keras, NumPy **Familiar :** Java, C++, Matlab