

**EECS 598 - Computational Modeling in Human-Computer Interaction (3 credits)**

Instructor: Nikola Banovic (Assistant Professor, Electrical Engineering & Computer Science)

Proposed time: TTH 12:00-1:30PM

Location: BBB 1690

This seminar course will review current computational approaches to describe, simulate, and predict human behavior from empirical behavior traces data. It will contrast computational modeling with other methodologies to understand human behavior and compare computational modeling with existing behavior modeling methodologies in Human-Computer Interaction (HCI). Short assignments will give students exposure to some of the cutting-edge methods, while the final project will give them an opportunity to push the boundaries of computational modeling in HCI by modeling behaviors of their choice from an existing data set.

Prerequisites: Programming experience in Java, Python, MATLAB or R.