

# André Cohen

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## *Education*

### **Rutgers University**

Computer Science and Comparative Literature

Sept 2006 - May 2010  
New Brunswick, NJ

### **SUNY Albany**

Computer Science and Comparative Literature

Sept 2004 - May 2006  
Albany, NY transferred

## *Work & Research Experience*

### **Laboratory of Eye Movement**

As Research assistant worked on seeing how my RL background could be merged with the ongoing research about saccadic reaction times. Currently developing a Bayesian based RL model that can depict the process with which humans use to determine how much fixation time is required prior to a saccade.

Fall 2009-Present

### **SEQUAM Lab**

Research assistant developing RL based system for efficiently conducting face tracking. Agent attempts to pick the best algorithm for face tracking based on the current conditions of an image in order to maximize the likelihood that the face will be tracked correctly.

Fall 2008-Present

### **Rutgers RL Lab**

Researching the possibility of combining Bayesian networks with default logic for learning about seemingly undeterministic environments.

Fall 2008

### **Simulacra Initiative**

Joint collaboration with Princeton University's Numismatic collection, worked on developing an Object-Oriented DBMS. Work led to the creation of SimulacraDB a software and consulting group offering assistance to special collections around the country. (Published at CAA09)

Fall 2008 - Spring 2009

### **Rutgers RL Lab**

Worked on an Object-Oriented approach for RL, where an agent learns about a grid world based on object-to-object interactions. (Published at ICML08)

Fall 2007

### **Google Summer of Code**

Contributed to the open source Mac project called Adium (an instant messaging client)

Summer 2007

### **Research Assistant**

Compared several techniques for analyzing source code authorship for possible plagiarism. This work was done in parallel to being a TA for an introductory programming course (with a lot of plagiarism).

Fall 2005 - Spring 2006

### *Awards & Honors*

- 2009. CRA Undergraduate Research Award
- 2008. DIMACS Undergraduate Research participant

### *Teaching Experience*

- 2008. Substitute teacher for CS105: “Great Insights in CS”
- 2005-6. Teaching Assistant for CS201, Introduction to C++, at SUNY Albany.

### *Publications*

- 2010. “Reinforcement Learning for Face Tracking”, (*in review*)
- 2008. “An Object-Oriented Representation for Efficient Reinforcement Learning”, Carlos Diuk, Andre Cohen and Michael L. Littman. ICML 2008.

### *Skills*

**Languages (Years):** C/C++(10), Java(8), Matlab(7), Python(7), Objective-C(5), and Perl(4)

**Spoken Languages:** English(Fluent), Portuguese(Fluent), Spanish(Fluent), German(Intermediate)