

Jamie Morgenstern

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EDUCATION

University of Chicago

(09/2006-06/2010)

In Progress: Bachelor of Sciences in Mathematics and Computer Science (Expected 06/2010)

GPA: 3.73/4.0

Relevant Courses: Graduate Discrete Math (In progress), Complex Analysis (In progress), Computer Architecture (In progress), Math Methods for physical science majors (Multivariable Calculus, Differential Equations, Linear Algebra), Analysis in \mathbb{R}^n , Basic Abstract Algebra General Chemistry, General Biology, Introduction to Computer Science I,II,III, Discrete Mathematics, Programming Languages, Math Logic, Implementation of Programming languages, Algorithms, Independent Study in Computer Science, Honors Research Thesis, Complexity Theory

Bigfork High School

(09/2002 - 06/2006)

Honors, National Merit Scholar, Valedictorian

RESEARCH EXPERIENCE

Computer Science REU, Frank Pfenning

(06/2009-09/2009)

Research involving dependent types and linear logic applications to security systems

Algorithms Research, Umut Acar

(01/2009-06/2009)

Developed an algorithm for efficient solving of polynomials

Computer Science REU, Robby Findler

(06/2008- 09/2008)

Set up a bug-tracking interface for PLaneT, PLT Scheme's package repository

Mathematics REU

(06/2007-08/2007)

Classes in linear algebra and discrete mathematics, research paper involving graph theory and number theory

Biochemistry Lab Position, Chuan He

(01/2007-06/2007)

Research assistant to Chuan He, Gordon Center for Integrated Sciences, University of Chicago

PUBLICATIONS

“Security-Typed Programming within Dependently-Typed Programming ,” (Submitted to *European Symposium on Programming 2010*)

“Adaptive and Precise Root-Solving of Polynomials” (*University of Chicago, Computer Science Department, Senior Honors Thesis*)

AWARDS, LEADERSHIP, HONORS

Dean's List

(06/2007-Present)

President of Shoreland Council

(09/2007-06/2008)

President of Jewish Undergraduate Student Association

(06/2008-Present)

University Scholar

(06/2006-Present)

National Merit Scholar

(06/2006-Present)

Dudley House Vice President

(09/2007- 06/2008)

EMPLOYMENT

Polk Brothers Program: (University of Chicago, Gary Elementary School)

Student Liaison and Student Director

(10/06-Present)