



Chase Roberts

Computer Science • Mathematics

Contact

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Coding Languages

Python
C++
C
Javascript
C#
Java
CUDA + MPI

Honors

UPE CS Honor Society
President Spring 2016
Deans List
2014 - 2016
Delta Phi
Highest GPA Fall 2015

Relevant Courses

Machine Learning
Graduate Algorithms
Parallel Programming
Binary Exploitation
Statistics
Data Structures
Math Analysis
Quantum Physics

Github

github.com/Thenerdstation

Foreign Languages

German - Intermediate
Spanish - Elementary

Hobbies

Rock Climbing
Photography
Film making

Current Education

Rensselaer Polytechnic Institute - Class of 2018

GPA: 3.86 Major GPA: **3.91**

Recipient of the 2024 Lally Bicentennial Award.

Enrolled in the School of Science working towards a Bachelor Degree in Computer Science and Mathematics. Expected graduation is May 2018.

Software Internships

Bloomberg L.P. - New York City, NY

June 2016 - Present

Working on machine learning software that detects errors in Bloomberg's financial database.

Intentional Software - Seattle, WA

May 2015 - August 2015

Was a member of the graphics team. Worked on shader meta program implementation. Decreased shader build time from several minutes to a few seconds with dynamic compilation. Also added features to the 2D Geometry API, focusing on efficient elliptical and Bezier curves rendering.

Undergraduate Research

SCOREC - Supercomputing Research

September 2015 - December 2015

Helped with creation of experimental automatic differentiation C++ data type. This data type can take arbitrary derivatives of functions without any major refactoring of existing code. Arbitrary derivatives were created by doing recursive type templating. The code is open-sourced and can be seen on SCOREC's github.

Extra Curricular

UPE Computer Science Honor Society

Inducted Fall 2015

Elected President Spring 2016

Current President of RPI's computer science honor society Upsilon Pi Epsilon. Our society organizes several events throughout the year, including several tech talks, programming competitions, tutoring sessions, and interview prep.

RPISEC

Member since Spring 2015

RPISEC is a highly successful security club at RPI. We have consistently won or placed highly in dozens of CTF across the continent. s. We also invest heavily in teaching new members security skills by teaching classes and giving weekly talks.