

NATHAN DE GRAAF

Nathan.Website@gmail.com

EDUCATION

Iowa State University, Ames, Iowa

Aug 2014 - May 2018

B.S. Double Major in Computer Engineering and Mathematics

GPA 3.93, *summa cum laude*, University Honors Program, *Phi Beta Kappa*

EMPLOYMENT

Asana, *Software Engineer*

2018 - Present

- Contributing to the web product and mobile infrastructure.

Asana, *Software Engineering Intern*

Summer 2017

- Contributed to the monetization team by developing and improving front end features in JavaScript with a focus on customer retention and adoption.

Illinois Institute of Technology BigDataX REU, *Undergraduate Researcher*

Summer 2016

- Designed an algorithm that improves the best known run time complexity in a restricted case of rectilinear image compression with Dr. Calinescu
- Co-authored academic paper presenting our problem, algorithm, and analysis

EnSoft, *Software Engineering Intern*

Summer 2015

- Developed Java program to support COBOL code analysis
- Improved functionality and usability of software conversion tool

ACTIVITIES

ACM International Collegiate Programming Competition: World Finalist

Fall 2014 - Fall 2017

- Competed in the 2016 ICPC World Finals in Phuket, Thailand
- Solved algorithm based programming problems as a team using Java

Iowa State Problem Solving Group

Fall 2014 - Spring 2016

- Competed in Putnam and Iowa Collegiate Mathematics Competition

Executive Board of Cyclone Ballroom Club

Fall 2015 - Spring 2018

- Acted as vice president and webmaster, taught lessons and organized events

SKILLS

Javascript/Typescript (Front and back end web dev)

Scala (Developing performant APIs)

Java (Schoolwork + building Eclipse plugins)

C/C++ (Schoolwork)

Algorithm Analysis and Design (Graduate coursework + research application)

ACADEMIC ACHIEVEMENTS

Top 3 Senior Design Project (2018 Third place ISU Capstone Project in Computer Engineering)

Dio Lewis Holl Award (2017 for outstanding Junior in mathematics)

Marian Daniells Scholarship (2016 for excellence in mathematics)

Gertrude Herr Adamson Award (2015 for ingenuity in mathematics)

National Merit Finalist

AP National Scholar