

# RYAN PRENDERGAST

ryanp4@illinois.edu

## EDUCATION

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### University of Illinois at Urbana-Champaign

Studying Computer Science Engineering

GPA 3.97 - Chancellor's Scholar in the Campus Honors Program

Expected

December 2021

### Maine South High School

GPA: 4.84/4.0 - Maine Scholar (Top 1% of class)

May 2018

## EXPERIENCES

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### Probabilistic Programming in Machine Learning - *Researcher*

- Collaborating with Professor Sasa Misailovic's research team discovering probabilistic programming optimizations to machine learning algorithms.

September

2019-Present

### Forge - *Director of Corporate Outreach*

- Co-organizing the largest student-run startup weekend in the Midwest.

August 2019-

Present

### Next Capital Group, Inc - *Software Engineering Intern*

- Designed and implemented a framework for integration testing at a financial technology startup.

June - July 2019

### Student Cluster Competition (SCC17) - *Competitor for Illinois Tech*

- Configured a supercomputer as part of IIT's 6-person SCC team, sponsored by Argonne National Lab and Intel.
- Competed to achieve maximum run-time efficiency for six real-world applications in a limited power and time environment.

June - November  
2017

### Hack Ridge Inc - *Co-founder*

- Co-founded and incorporated a 24-hour non-profit annual high school hackathon for over 100 students.
- Secured a budget of \$4,500 through 13 company sponsors for Hack Ridge 2018.

Winter 2016 -

Spring 2018

## COURSES

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**Math:** Calculus I-III, Differential Equations, Probability and Statistics (IP), Linear Algebra

**Computer Science:** Software Design, Discrete Structures, Data Structures, Algorithms and Models of Computation (IP), Computer Architecture (IP)

## SKILLS

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**Coding:** C++, Java, Python, web development with PHP/JS/SQL/HTML/CSS and with MEAN stack, Ruby on Rails, ReactJS, Linux systems administration, probabilistic programming.