

# Sabar Dasgupta

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## EDUCATION

### Stanford University, California

*Computer Science, BS, 2018 (expected)*

### Princeton University, New Jersey *(courses taken while in high school)*

COS 226 Data Structures and Algorithms (Fall 2012), COS 217 Introduction to Programming Systems (Spring 2013), COS 402 Artificial Intelligence (Fall 2013), CHM 303 Organic Chemistry: Biological Emphasis (Fall 2013), COS 423 Theory of Algorithms (expected, Spring 2014), CHM 304 Organic Chemistry II: Foundations of Chemical Reactivity and Synthesis (expected, Spring 2014)

### Princeton High School, New Jersey

Track and Field Hurdles Leader and Varsity Athlete, Cross Country JV Athlete, Science Bowl, Science Olympiad, Ultimate Frisbee Club, French Honors Society, Jazz Ensemble (Guitar), 4.55 GPA, 2300 SAT

## EXPERIENCE

### Chesscademy (<http://chesscademy.com>)

2013 - Present

*Co-Founder and CTO*

- ❖ Head of Development, Database Management, and Algorithms
- ❖ Chesscademy received over 2,500 signups and 125,000 pageviews within the first 24 hours of launch
- ❖ Developed a comprehensive chess openings database from a set of 4 million tournament games and built a discussion forum with nested real-time comments and real-time voting
- ❖ Statistics from August 18 to September 18, 2013: Over 4000 users and 300,000 page views
- ❖ Chess tutor for elementary school students

### New Jersey Governor's School of Engineering and Technology

2013 Summer

- ❖ Brain Control Research Paper: <http://oldsoe.rutgers.edu/files/BrainControl.pdf>
- ❖ Built a RepRap Prusa Mendel i2 from scratch
- ❖ Capable with AutoCAD and MakerWare

### Orchive (<http://orchive.com>)

2011 - 2013

*Lead Developer*

- ❖ Incorporated advanced social network authentication and integration system
- ❖ Designed algorithms to sort reports based on "trending value," location, and user-indicated preferences
- ❖ Real-time voting, flagging, and commenting
- ❖ Top-5 finisher in Intel Innovators Young Entrepreneurs Competition

## SKILLS

- ❖ Well versed in Ruby on Rails, Java, C, Javascript, SQL, C++, Python/Django, and Visual Basic

## HONORS

- ❖ HackMIT Thiel Foundation Under 20 Award
- ❖ HackPrinceton Venmo and Sendgrid API Prizes
- ❖ Columbia Science Honors Program
- ❖ Trentonian - Mercer County's High School Nominated High Achiever (Academic)

❖ National Merit Scholar Semifinalist, National AP Scholar