JAMES HE

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OBJECTIVE

Motivated, versatile, and aspiring student eager to learn and help propel the field of computer science.

EDUCATION

NORTHWESTERN UNIVERSITY   Overall GPA: 3.66/4.0
Bachelor of Science in Computer Science and Applied Mathematics   September 2014 – Present
                                                              Expected Grad Date: June 2018

- Focus: Theoretical Computer Science, Artificial Intelligence, Computer Systems
- Notable courses: Approximation Algorithms, Design & Analysis of Algorithms, Computational Theory, Intro to Artificial Intelligence, Machine Learning, Databases, Computational Geometry, Game Design, Operating Systems, Data Structures

Minor in History
- Concentration: Europe

WORK EXPERIENCE

AMAZON.COM, INC.   Seattle, Washington
Software Development Engineering Intern   June 13, 2017 – Present

- Interned for the Customer Account Protection team of Amazon's Transaction Risk Management Systems (TRMS) department.
- Revived and redesigned the CAP team's phishing detection system focusing heavily on databases and machine learning
- Worked with various AWS services to improve and augment fraud detection services.

NORTHWESTERN UNIVERSITY   Evanston, Illinois
Peer Mentor (Undergraduate Teaching Assistant)   January – December 2016

- Assisted Professors Ming-Yang Kao and Anindya De in Discrete Mathematics and Computational Theory respectively.
- Conducted office hours and reiterated/taught material students were struggling with.
- Encouraged discussion and facilitated communication between students to foster understanding.

DISCOVER FINANCIAL SERVICES   Riverwoods, Illinois
Business Technology Intern on Internet Card Acquisitions   June 13 – September 9, 2016

- Created an assets field in Discover Card's account center as part of the Ability to Pay Project, helping Discover more successfully assess credit lending risk.
- Developed the back-end Java code needed to store the newly created asset field's information for both desktop and mobile web browsers, including work on the mobile API.
- Refactored the Internet Acquisitions team's codebase, increasing overall test coverage by 11% and eliminated over 11 days of technical debt.

MARLAN, CO.   Evanston, Illinois
Developer on Technology & Development Team   Jun 15 – Dec 31, 2015

- Efficiently collaborated in a small team environment to plan out and manage each week's workload.
- Co-designed and later developed the Marlan landing page with teammates, improving HTML/CSS/JavaScript skills.
- Successfully implemented back-end development to the Marlan website through Ruby on Rails.

ACTIVITIES

NORTHWESTERN PEER MENTOR: Worked for Professors Ming-Yang Kao and Anindya De in theoretical computer science
INTRAMURAL FOOTBALL: Played for Ayers CCI in the residential college league
HACKATHONS/HACKERRANK COMPETITIONS: Participated in NU WildHacks hackathons and smaller competitions.
TAU BETA PI ENGINEERING HONORS SOCIETY: Involved in community service and other engineering events.

TECHNICAL SKILLS

- **Programming:** Java, C/C++, C#, Python, Ruby, Lisp, SQL
- **Web Development:** HTML/CSS, Freemarker, JavaScript, jQuery, Ruby on Rails, AngularJs
- **OS: Windows, Linux (Ubuntu, RedHat), Mac OSX**