Patrick Cao

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Education

University of Maryland, College Park   *College Park, MD*
CANDIDATE FOR B.S. IN COMPUTER SCIENCE, GPA: 4.00   *Class of 2022*
University Honors

Thomas Sprigg Wootton High School   *Rockville, MD*
HIGH SCHOOL, GPA: 4.00   *Class of 2018*

COURSEWORK

Math	Multivariable Calculus and Differential Equations, Intro to Linear Algebra, Applied Probability and Statistics
Computer Science	Advanced Programming (Data Structures, Algorithms, Intro to C), Intro to Computer Systems, Discrete Structures
Other	AP Physics C: Mechanics, E&M, AP Chemistry, Applied (Engineering) Science, AP Psychology

Experience

Institute for Bioscience and Biotechnology Research   *Rockville, MD*
DEVELOPER INTERN   *June 2017 – Aug 2017*
Refactored the Biological Macromolecule Crystallization Database
- Migrated site to Laravel framework
- Worked with MySQL and PHP to improve database data collection process
- Developed algorithm to identify chemical reagent names from plaintext

Skills

Languages	Java, Python, PHP, HTML/CSS, JavaScript, NodeJS
Frameworks	Laravel, Express, React, React Native, Bulma, Bootstrap
Other	MySQL, MongoDB, RethinkDB, Pug

Projects

See more at https://prcao.github.io/

Listen Together
A web application that allows users to view, request, and vote on music in real-time   *https://github.com/prcao/listen-together*
NodeJS, Express, React, MongoDB, Bootstrap, Socket.IO

Endgame
A feature-rich, bullet-hell inspired 2D Java game   *https://github.com/prcao/endgame*
Java, Java.awt

Accomplishments

AWARDS

Winner,	Capital One Best Financial Hack, Equals-Equals Hackathon	*March 2017*
1st Place,	Lockheed Martin Code Quest Regionals, Novice Division	*April 2017*
Runner-up,	Bitcamp Decentralize Everything: Blockchain challenge	*April 2018*

HONORS

State Merit Scholastic Award,	Top 5% of graduating high school class	*May 2018*
Certificate of Meritorious Service,	Over 260 community service hours	*May 2018*