

Patrick Cao

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Education

University of Maryland, College Park

CANDIDATE FOR B.S. IN COMPUTER SCIENCE, GPA: 4.00
University Honors

College Park, MD
Class of 2022

Thomas Sprigg Wootton High School

HIGH SCHOOL, GPA: 4.00

Rockville, MD
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

DEVELOPER INTERN

Rockville, MD
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
Java, Java.awt

<https://github.com/prcao/endgame>

Accomplishments

AWARDS

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

March 2019
April 2018
April 2017

HONORS

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

May 2018
May 2018