

Patrick Du
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Education

SUNY, University at Albany
Bachelor of Science, Computer Science | GPA 3.0

Albany, NY
May 2017

Relevant Coursework

- Datamining: in-depth understanding of how data is mined and the theory behind datamining.
- Algorithms & databases, in depth understanding of databases in Java, proofs, mathematical and logical reasoning and implementing this into algorithms.

Achievement

- Mock Trial: Competitive debate using law to debate about a given scenario
 - Placed in top 8

Skills

- Languages: English, Intermediate Japanese, controversial Cantonese
- Computer Literacy
 - Microsoft Word (Intermediate), PowerPoint (Proficient), Excel(Basic)
 - Front End: HTML&CSS (Beginner)
 - Back End: Java&C (Proficient), Python(Intermediate), C#/C++/Unity(Beginner)
- Language: English, Conversational Cantonese, Intermediate Japanese

Experience

- Creation of a password GUI that took a file containing common passwords and set rules to determine whether it was a good password or bad password.
 - 1 year of C++ experience before creating the GUI
- Alongside learning Calculus 1 also learned Julia to deepen understanding of Calculus.
- Modifying a Sudoku program to solve a 16x16 Sudoku using recursive backtracking.
 - Also, modify a program that used brute force and Divide and Conquer to acquire randomly generated points and compare the time between the two functions.
 - All of this was done with an intermediate understanding of Java.
- Created a website that focused on online toxicity, meaning a form of harassing, in a community
 - Done with basic understanding of HTML and CSS.
- Intermediate understanding of Python.
 - Currently implementing the use of Python for datamining on Twitter to predict positivity, negativity, and neutrality in each user's perspective on certain topics.
- Intermediate understanding of C.

Assistant Teacher | CPC PS 97 | Jul 2012-Aug 2012

- Mentored and looked after 3-5-year old's.

