ANNIE ZHOU

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EDUCATION

Bachelors of Science, Computer Science, **University of Maryland,** College Park, MD   **AUG 2020 - MAY 2024**
3.334 GPA

WORK EXPERIENCE

Student Software Engineer - Division of Information Technology, **University of Maryland**, College Park, MD   **NOV 2021 - PRESENT**

PROJECTS

Personal Website Project, Personal Project   **DEC 2021**
- Designed, implemented, deployed, and tested a responsive web page showcasing personal achievements using Html, CSS Flexbox, Javascript, and Firebase.
- This project is continuously being maintained, upgraded, and monitored

LINUX Shell Project, CMSC216, College Park, MD   **AUG 2021**
- Implemented command processing of a LINUX shell in C that allows you to run complex linux commands with specifications such as boolean operations, pipes, and file redirection.

Employee Attrition Prediction Project, BigThink AI Club Project   **MAY 2021**
- Designed and implemented a data science and supervised machine learning workflow in Python in a team of 2 for an employee attrition prediction use case**.**
- Stored and managed data using Pandas Library, and carried out feature engineering, Logistic Regression model construction in scikit-learn, and performance testing in a team of 2 - Measured 90.48% accuracy for model using confusion matrix

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RELEVANT COURSEWORK

Introduction to Computer Systems (CMSC 216), **University of Maryland**, College Park, MD   **JUNE 2021 - AUG 2021**

- Gained understanding of Computer Systems topics such as UNIX/LINUX OS, process control, I/O redirection, program measurement and optimization, systems programming, and assembly programming.
- Learned fundamental C language constructs, concepts, and libraries such as variables, data structures, dynamic memory management, I/O redirection, multithreading, and strings.
- Built, tested, and debugged software using C and AVR Assembly that practices previous knowledge listed and interacts with UNIX/LINUX OS.

Object Oriented Programming Ⅱ *(CMSC132),* **University of Maryland,** College Park, MD   **JAN 2021 - MAY 2021**

- Acquired knowledge of OO programming concepts, software development lifecycles, OO design patterns, and methodologies.
- Learned Java algorithms and data structures including JCF, asymptotic efficiency, trees, heaps, sets, maps, graphs, and recursion.
- Studied programming skills in inheritance, multithreading, debugging, and exception handling.
- Designed, built, tested, and debugged medium-size software systems with OO software design, algorithms and data structures, and programming skills.

Intro to HTML/CSS: Making Webpages, **Khan Academy**   **JULY 2020 - AUG 2020**

- Studied HTML concepts such as tags, elements, and validation.
- Learned CSS skills such as selectors, style properties, style sheets, formatting properties, and box model.
- Designed and created web pages using HTML and CSS.

TECHNICAL SKILLS

- **Languages:** Java, Python, C, AVR Assembly, Javascript
- **Tools/IDEs:** Eclipse, Github, Google Colab, Vim, Jira, Servicenow, Firebase
- **Web:** Html, CSS
- **OS:** Windows, Unix, Linux, Ubuntu