**Yuxuan Zhou**

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| [hizyx97@gmail.com](mailto:hizyx97@gmail.com) | 315-416-4615 | 4-294, 111 College Pl., Syracuse, NY 13210 | |
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| **EDUCATION** | | |  |
| **Syracuse University** - The College of Engineering and Computer Science | | | **Syracuse, NY** |
| Ph.D. in Computer and Information Science and Engineering (CISE)  Master of Science in Computer Science | | | **Aug. 2021 – Present**  **Aug. 2019 – Dec. 2020** |
| **GPA** 3.93 | | |  |
| **Coursework**: Advanced Computer Architecture, Design & Analyze of Algorithms, Principles of Operating Systems, Intelligent&Secure Cyber-Phys, Biometrics, Machine Learning for Security, Deep Learning: Theorem Proving, Principles of Social Media and Data Mining, Structured programming & formal methods, Intro. Courses (Artificial Intelligence, Cryptography, System-on-Chip Design), Blockchain & Cryptocurrencies | | | |

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| **Hubei University** - School of Computer Science and Information Engineering | **Wuhan, China** |
| Bachelor of Software Engineering | **Sept. 2015 - Jun. 2019** |
| **Coursework**: Computer Programming (C++, C#, Java, J2EE), Operating System, Data Structures, Computer Network, Software Project Management, Design and Analysis of Algorithm, Database Practical Technology, Information Security, Computer Graphic, Computer Architecture, LINUX System and Analysis, Software Testing | |

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| **University of Minnesota** | **Minneapolis, MN** |
| Summer General Education Program | **Summer 2018** |

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| **EXPERIENCE** | |
| **Syracuse University** | **Syracuse, NY** |
| Research Assistant | **Fall 2020 - Present** |
| * Explored Ethereum mem-pool security issue and implemented patches to vulnerabilities that leads to low-cost DoS attack | |
| * Analyzed smart contracts vulnerabilities and tracked blockchain attacks that exploited smart contracts design flaws | |
| * Uncovered extractable value on Ethereum by leaked secret keys from Internet | |

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| **Wuhan CyberObject Co., LTD** | **Wuhan, China** |
| Software Engineer Intern | **Summer 2017, Fall 2018** |
| * Optimized and tested replay function of a mobile application of a home smart camera | |
| * Completed marketing research and system development of an online ordering system, constructed front-back end communication module and data server | |
| * Collaborated with other engineers to develop a B2C platform for rapid development and deployment, using a distributed architecture | |

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| **PROJECT** |
| * Developed the online multiplayer or vs-RNN-AI Gomoku games on Python and JavaScript **Fall 2020** * Applied Logistic Regression and LSTM models to predict and analyze the attitude of the public in different states in the US on COVID-19 on Tweet **Spring 2020** |
| * Developed inventory monitoring and email alert software in Python, automatic order placement browser plugin in JavaScript for online shopping platform (taobao.com and jd.com) **Dec. 2019** |
| * Completed Online ordering system back-end design using Spring Boot, RESTful API, Nginx, Redis and SQL **April 2019** |
| * Designed Educational administration web system using MVC structure, ASP.NET, C# and SQL **Fall 2018** |

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| **AWARDS AND CERTIFICATIONS** |
| * DSN 2022 Student Travel Award, June 2022 |
| * Qualification Certificate of Computer and Software Technology Proficiency: Intermediate software designer, May 2018 |
| * First prize of Blue Bridge Cup software development competition (Java Group), March 2018 |
| * Merit Student of College, 2016, 2017, 2019 * Scientific Innovation Award of College, 2018 |

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| **SKILLS** |
| * Python, Java, Go, C, C++, C#, JavaScript, SQL |