THOMAS CHEN

22 Longview Cir. ● Ayer, MA 01432 ● 978-882-1119 ● trchen19@gmail.com

EDUCATION

Cornell University, College of Engineering   **Ithaca, NY**
M.Eng. in Computer Science   May 2020
GPA: 3.56/4.00

Cornell University, College of Arts & Sciences   **Ithaca, NY**
B.A. in Computer Science, Minor in Education   May 2019
GPA: 3.54/4.00

Relevant Coursework: Artificial Intelligence, Software Engineering, Machine Learning, Natural Language Processing, System Security, Algorithms & Data Structures, Databases, Statistics, Operating Systems, Functional Programming, Crowdsourcing Technology

WORK EXPERIENCE

Ribbon Communications   **Westford, MA**
Software Development Intern   May 2019 – Aug 2019
- Pioneered company's first continuous development workflow that integrates 4 open-source software tools used for the virtualization initiative of 3 main company products
- Restructured the CommonOS initiative's automated screenshot feature for improved artifact accessibility in all internal product development teams
- Revised the CommonOS security packaging and automated workflow for increased consistency in product performance

Cornell University   **Ithaca, NY**
Teaching Assistant   Jan 2019 – May 2019
- Tutored undergraduate students in Discrete Structure and Mathematics curriculum in one-on-one sessions
- Led supplementary office hours to strengthen core concepts through lectures and group work in classes of 10+ students
- Supervised and evaluated student progress of 350+ students through exams and weekly assignments

Cornell University   **Ithaca, NY**
Student Research Assistant   Jan 2017 – Jan 2018
- Investigated the effectiveness of existing data tools and web platform for revising ~~current~~ data visualization frameworks in collaboration with 4 Cornell professors and graduates
- Designed first mobile app for more accessible distribution of NY school district data to rural public schools and communities
- Optimized computer programs that gather, organize, and interpret demographic and performance data for 4000+ school districts to support new data tool features

LEADERSHIP

Intergroup Dialogue Project   **Ithaca, NY**
Coach & Technology Assistant   Jan 2018 – May 2020
- Customized automated communication scripts to interpret data and relay information to 3500 incoming undergraduate students for expedited logistic coordination
- Sustained mentorship of 60+ undergraduate facilitators in leading intensive diversity courses with 16 to 20 participants
- Facilitated weekly workshops for 500+ students and faculty in collaboration with student organizations and academic departments

Accenture (Girls Who Code)   **New York, NY**
Instructor & Teacher's Assistant   June 2017 – August 2017
- Instructed self-designed lesson plans to a classroom of 20 high school girls in Programming Fundamentals, Robotics, Web Design, and App Development in 4 coding languages and held discussions on women in coding and inequality studies
- Organized speaker events and office visits in collaboration with C-Suite Professionals for Accenture, NFL, Fjord, and Bonobos
- Managed student crisis situations with social workers and parents in order to ensure student safety and program cohesion

SKILLS & PROJECTS

- **Computer Skills:** Python, Java, Jenkins, Terraform, Linux/Unix, Artifactory, C, Git, AWS, HTML & CSS, JavaScript, MySQL
- **Projects:** Automated Crossword Generator, LII Annotated Constitution, CourseCrafter, Intergroup Dialogue Project Website, CourseFinder, NES Legend of Zelda Recreation, Fast File System, TCP Protocol Implementation
- **Interests:** Socially Conscious Technology Design, Continuous Development Workflow, IaC, Calisthenics & Gymnastics