

Ri Hang (Tony)Chen

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Education

Binghamton University, State University of New York **B.Sc : Computer Science | Junior | GPA: 3.45/4.00**

Expected 2019

- Data Structures and Algorithms | Object-Oriented Programming | Automata Theory | Arch Programming
- The Web Developer Bootcamp : Udemy | UPE : Computer Science Honor Society | Dean's List

Skills

Languages: Java | C++ | JavaScript | HTML/CSS | C | basic Python | basic SQL | basic Swift | basic R | MIPS Assembly

Technologies: Node.js | MongoDB | MySQL | Git | Bootstrap | Vim | VSCode | IntelliJ | Excel | Adobe Photoshop

Professional Experience

Back-end Developer Intern **Vizalytics Technology Inc.**

June 2017 - August 2017

- Contributed to the full-stack development process by creating multiple algorithms in Java that are ran continuously to gather and format data into MongoDB databases for big data and front-end visualization
- Collaborated with data analysts, UX design interns, and the technology team to create cloud applications and deliverables for NSW Transport to improve transit and Wonderful Copenhagen to improve customer experience

Office Assistant **Binghamton University Chemistry Department**

September 2016 - May 2017

- Generated multiple excel mailing lists and mail merges of chemistry departments across 100 other universities to spread awareness about the department and created label merges to increase sending efficiency

IT Coding **Bowne House Historical Society**

June 2016 - August 2016

- Designed a brand-new website for the museum using WordPress software, and self-taught HTML/CSS to update their website and increase traffic
- Created graphics such as diagrams and graphs using Adobe Photoshop to make webpages appealing to visitors

Projects

GTFS Data Stream **Vizalytics 2017**

- Developed a multi-threaded Java algorithm that reads from multiple transit open data APIs for file updates
- Converts ZIP and CSV file data into Document formats to be inserted into databases in MongoDB
- Processed over 3 million files into GeoJSON geometries of vehicle transit routes using the MongoDB Java Driver

Affected Transit Real-time **Vizalytics 2017**

- Wrote a continuously ran multi-threaded Java program that links multiple real-time MongoDB databases by keys
- Performs geospatial queries to warn passengers if their vehicle is near traffic hazards that may delay their commute

Facebook Lite **Data Structures 2017**

- Created a modular C++ program that takes commands to login, create, and delete users and posts
- Utilizes nested linked list containers to store data and properly manages memory on the heap to prevent leaks

Leadership Experience

Regulatory Compliance Project Manager **Ernst & Young Trajectory Program**

January 2017 - May 2017

- Led weekly calls with Ernst & Young professionals by coordinating questions and organizing discussion to ensure team is well prepared for their assignments
- Responsible for submitting weekly deliverables and maintaining the consistency and quality of work of products to progress on workflow timeline without interruptions

Sophomore Representative **Society of Asian Scientists and Engineers**

January 2017 - May 2017

- Organized professional and cultural events with other representatives to help general body bolster their professionalism and to increase asian awareness on campus