

Ri Hang (Tony) Chen

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Education

Binghamton University **B.Sc : Computer Science | Junior | GPA: 3.45**

Expected 2019

- Data Structures and Algorithms (In-Progress) | Object-Oriented Programming | Architecture and Programming | Machine Organization | Number Systems | Discrete Mathematics | Linear Algebra

Skills

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

Technologies: Node.js | MongoDB | MySQL | Git | Bootstrap | Microsoft Office | 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 use
- Collaborated with the technology team, and data analyst and UX design interns to create cloud applications and deliverables for Transport for NSW and Wonderful Copenhagen

Office Assistant **Binghamton University Chemistry Department**

September 2016 - May 2017

- Generated multiple mailing lists and 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 highlight information and make webpages appealing to viewers

Projects

Transit Data Tool **GTFS Data Stream**

- Developed a multi-threaded Java tool 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

Traffic Hazard Alerts **Affected Transit Real-time**

- Wrote a continuously ran multi-threaded Java program that connects multiple real-time MongoDB databases and performs geospatial queries to warn users what vehicles are near traffic hazards that may delay their commute

Dice Game **Cosmic Wimpout**

- Recreated the dice game in Java implementing multiple object-oriented programming concepts including recursion, interfaces, abstract classes, exception-handling, polymorphism, inheritance, arrays, and loops

Leadership Experience

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

January 2017 - May 2017

- Lead 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

Events Coordinator / Freshman Representative **Vietnamese Student Association**

October 2015 - January 2017

- Promoted the organization by creating and handing out fliers, and advertising different events on social media platforms such as Facebook and Instagram to increase club publicity