

Tim Hung

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Education

Binghamton University, State University of New York, Thomas J. Watson School of Engineering and Applied Science
Bachelor of Science in Computer Science and Bachelor of Arts in Mathematics Expected May '18
Lyle & Dorothy Feisel Scholarship | University Scholars (Top 2%) | PME Math Honor Society | Watson Dean's List

Skills

Coursework Data Structures, Algorithms, Automata Theory, Operating Systems, Graph Theory, Combinatorics
Technical Java, C++, Python, JavaScript, C#, SQL, HTML/CSS
Tools Node.js, Open CV, Android Development, Git, UNIX Command Line, Vim
Languages Fluent: English, Mandarin Chinese | Proficient: Spanish, Taiwanese Hokkien

Experience

Bloomberg L.P. New York, NY
Software Engineering Intern | Data, Web, & Analytics Jun '17 – Aug '17

- Enrich internal applications by leveraging geolocation data to refine search functionality
- Update 3-tier architecture to dynamically build DB queries through multiple services and display with Angular.js

Microsoft Corporation Bellevue, WA
Software Engineer/Product Manager Intern | Cortana/ASG May '16 – Aug '16

- Developed platform to extend Cortana compatibility with over 340 new services in a team of 3
- Built architecture to integrate existing Cortana technologies with third party APIs using MS Azure

Binghamton University Computer Science Department Binghamton, NY
Course Assistant for CS-140: Object Oriented Programming Sep '15 – Jan '16

- Guided, taught, graded, and held office hours for class of 30 students

Binghamton ACM Student Chapter Executive Board Binghamton, NY
President Jan '15- Present

- Organize and run monthly ACM Programming Competitions and weekly tech workshops to promote CS on campus

Projects

fbmsgparse Binghamton, NY
Text Preprocessing Python Module May '17

- Built module to clean, organize, and preprocess Facebook message history

Exploring Triangulation Binghamton, NY
Image Processing Research Dec '16

- Researched and developed methods to geometrically triangulate photographs for low-poly art and compression
- Implemented feature/corner detection and Delaunay triangulation to segment images

My Facebook Home Dallas, TX
IoT Chatbot @ HackDFW | 1st Place out of over 350 competitors Apr '16

- Developed a home automation chat bot for Facebook Messenger in 24 hours in a team of 3
- Wrote a primitive NLP backend for command recognition and a built a home security camera web client

dinotes American Museum of Natural History
Paleontology Documentation Web App @ Hack the Dinos Nov '15

- Built cross-device friendly web client to aid research paleontologists in documenting expeditions in a team of 5

Competitions

ACM Regional Collegiate Programming Competition (ICPC) at Manhattan College | Team Coach Nov '16
ACM Regional Collegiate Programming Competition (ICPC) at Queens College | Team Coach & Competitor Nov '15
ACM Programming Competition at Binghamton University | 3rd Overall and Freshman Prize Dec '14
ACM Regional Collegiate Programming Competition (ICPC) at St. Joseph's College | 4th Fresh/Soph team Nov '14