# 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%) | ΠΜΕ Math Honor Society | Watson Dean's List

## Skills

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| **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 300 new services in a team of 3

**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 monthly ACM Programming Competitions and weekly tech workshops to promote CS on campus

## Projects

**fbmsgparse** | Python Module    Binghamton, NY
Python 3, BeautifulSoup, Markovify    Dec '16
- Built module to clean, organize, and preprocess Facebook message history

**Exploring Triangulation** | Computer Vision Term Project    Binghamton, NY
C++, OpenCV    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** | HackDFW | 1st Place out of over 350 competitors    Dallas, TX
FB Messenger API, Javascript, Node, Arduino    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** | Hack the Dinos    American Museum of Natural History
Javascript, Node, Materialize, HTML/CSS    Nov '15
- Built cross-device friendly web client to aid research paleontologists in documenting expeditions in a team of 5

## Competitions

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| 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 |