

# Tim Hung

thung1@binghamton.edu  
http://timhung.codes  
linkedin.com/in/timhung1

(646) 436-9103  
github.com/AvocadosConstant  
devpost.com/AvocadosConstant

## 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 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 May '17

- 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 | 1<sup>st</sup> 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

**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 | 3<sup>rd</sup> Overall and Freshman Prize** Dec '14  
**ACM Regional Collegiate Programming Competition (ICPC) at St. Joseph's College | 4<sup>th</sup> Fresh/Soph team** Nov '14