

# Stephen Fung

3RD YEAR UNDERGRADUATE, COMPUTER SCIENCE

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## EDUCATION

**University at Buffalo**, Buffalo, NY  
*B.S. in Computer Science and Engineering*  
Deans List: Fall 2017, Spring 2018

**GPA: 3.7/4.0**  
*Aug '16 - May '20*

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## RELEVANT EXPERIENCE

**Systems Software Engineer - Arduino, CAD, Universal Robots**  
*UB Inc. - Buffalo, NY*

*Mar '18 - Present*

- Designed a scaled prototype to reduce the need for employees to fulfill online orders in stores
- Created automation equipment with 99% accuracy of picking and transporting various sized items
- Managed error detection with custom software creating error logs with various leveled priority
- Collaborated with a team to create a CAD design improving bottlenecks in current design

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## PROJECTS

**FairRide IOS/Android - Apple Maps API, Google Maps/Places API, Java, Swift**

- Aggregated data to allow users to save money by displaying all available ride sharing options
- Expedited the process of requesting optimal rides by merging multiple applications with deeplinks
- Managed a price map to continuously obtain and display accurate information with 100% uptime
- <https://stephenfung98.github.io/#projects>

**Atlas Markets IOS - Alpha Vantage API, JSON, Swift**

- Designed an IOS application displaying interactive real time stock and cryptocurrency prices
- Implemented push notifications for custom price threshold alerts to bring the user to the ticker
- Constructed candle stick charts and line charts price charts with customizable technical indicators
- <https://github.com/weibailey/BullSector>

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## WORK EXPERIENCE

**Teaching Assistant**

*Public School 2*

*Jun '17 - Aug '17*

- Instructed eleven 5th grade students through a structured lesson plan and attentive supervision
- Delivered a range of assessment activities including tutorials directed towards the delivery of subjects

**Adoption Assistant**

*PetSmart - New York, NY*

*Oct '14 - Jun '16*

- Evaluated 400+ animals' characteristics to produce profiles for potential adopters on online website
- Mentored junior staff on caring and socializing pets to prepare for the necessary adoption paperwork

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## ACTIVITIES

- IT for the League of Legends Club at the University at Buffalo with over 60 players per tournament
- Senior member in Association for Computing Machinery (ACM)
- Senior member in Society of Asian Scientists and Engineers (SASE)

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## SKILLS

**Programming:** C++, Java, L<sup>A</sup>T<sub>E</sub>X, MIPS ISA, Swift  
**Computer Skills:** CSS, HTML, Linux, Microsoft Office  
**Languages:** Cantonese, English