

# Michelle Julia Ng

566 Arguello Way, Apt 117, Stanford CA 94305 | [mchjl@stanford.edu](mailto:mchjl@stanford.edu) | +1 650-250-6219

## Education

---

### **Class of '21**    **Stanford University, USA**

B.S. Computer Science (AI track), B.A. History (Global Affairs & World History)  
*Computer Systems, Probability, AI, Algorithms, Computer Vision, NLP, Deep Learning, CNNs*

## Professional

---

### **Jun '20- Pres**    **Software Engineer Intern | Apple Inc., Cupertino**

- SWE on the Bluetooth team, working on features for iOS developers for WWDC.
- Part-time SWE on the SIML team, evaluating computer vision models robustness.
- Founded #tech-for-good company-wide channel with >450 members.

### **Jan '20- Pres**    **Tech Research Analyst | Stanford Internet Observatory, Stanford**

- Part of SIO's first core tech team. Worked on Maltego transforms for the SPRT pipeline (repository of translated Russian news articles), and FB Crowdtangle Scripts.
- Performed Gephi reconstruction of Twitter data, researching #Obamagate movement.

### **Sep '18-Pres**    **Founder and Owner | Zylem, Singapore**

- Developed product vision for a B2B reusable straw, Zylem, securing buy-in from two cafes to sell 2000+ straws with profits going towards [training low-income mothers](#).
- Conducted 80 user interviews on perceptions of a Zero Waste lifestyle.

### **Mar-Dec '19**    **Product Management Intern | Stanford Open Virtual Assistant Lab, Stanford**

- Cross-functional role involving UX optimization to turn NLP research into Almond, a privacy- preserving open-source virtual assistant built on Tensorflow.
- Executed mailchimp year-long campaign to boost consumer engagement for Almond.
- Technical writer for Almond's website. <https://almond.stanford.edu/>

### **Jan-Apr '19**    **Product Manager | Gobble, SF**

- Independently developed product and sales strategy for Gobble Lunchboxes.
- Negotiated with manufacturers on design of prototypes, presented on findings.

### **Jul-Sep '18**    **E-Commerce Business Intern | AustAsia Food Company, Shanghai**

- Conceptualised Yoghurt product launch for Indonesia's top milk producer.
- Created price-controlled experiment zone to inform restructuring of sales S.O.P for hundreds of distributors across China.

### **Jan-May '17**    **Marketing Executive | COM3, Singapore**

- Built BMW Alpina's 8-month campaign; integrated online ads with offline events to boost engagement. Engaged 200 high net-worth clientele in Marc Jacobs launch.
- Organically grew client's FB page; 5,000 likes and 12,000 reach in a month.

## Projects & Activities

---

### **Sep-Dec '19**    **Research Paper | Analysing Tokenizers for Neutralising Subjective Bias in Text**

- Comparing whitespace VS byte-pair encoding tokenizers in neutralizing bias.
- Implemented LSTM-RNN with a bi-directional encoder using OpenNMT, PyTorch.

### **Sep '18-Pres**    **Teaching Team | CS 51/52: Stanford Computer Science + Social Good Studio**

- Developed curriculum on design thinking for a class of 35. Created tools to help UNHCR identify 50+ potential ambassadors in target cities with React, Twitter API.

### **Jan-Dec '16**    **Founder | [FirstAIDS](#)**

- Raised \$65,000 from a nation-wide music festival fighting AIDS/HIV stigma.
- Executed #firstAIDSno shame campaign with over 100 posts in a month.

**Activities**    **President**, Singaporeans@Stanford • **Founder**, Stanford Queer&International • **Board Member**, Women in CS • **Internal Relations**, Stanford Band • **O4UT** '19, '20 • **Assoc. Editor**, Stanford Undergrad Research Journal • **Facebook** Above&Beyond '20 • **Mentor**, ASES Entrepreneurs • **Twitter** TechProud '19 • **Google** Queer Tech '20

**Skills**    **Technical:** C++, C, Python, Basic Java, SQL, Swift, PyTorch, TensorFlow, CrowdTangle  
**Languages:** Native English, Mandarin, Heritage Cantonese  
**Design Thinking:** Low & hi-fi Prototyping, User flows & Usability testing  
**Writing:** Copywriting, Grant writing, Published Memoir on Loss of Innocence, Poetry