

## He (Veronica) GAO

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### EDUCATION

**Yale University**, New Haven, CT, USA

**Degree Expected May 2017**

*M.S. in Computer Science*

- ▶ Latest Grades: Honors (Equivalent to 4.0 / 4.0)
- ▶ Relevant Coursework: Product Management, Distributed Systems, Database, Intelligent Robotics

**Nanyang Technological University**, Singapore

**June 2016**

*First Class Honors, B.Eng. in Computer Engineering, Specialization in Cyber Security, Minor in Business*

- ▶ Cultivated GPA : 4.73 / 5.0 (Ranked Top 5, Equivalent to 3.82 / 4.0)

▶ Awards Received:

ITMA Gold Medal: Best performance in Final Year Project in School of Computer Science and Engineering **2016**

Dean's List Awards: Top 5% academic performance during respective academic years **2013, 2014, 2015**

Champion: Robotics Multidisciplinary Group Project Leaderboard Challenge, NTU, Singapore **2014**

**Technical University of Munich, Germany** (Study Aboard)

**Aug 2014**

### PRODUCT / TECHNOLOGY EXPERIENCES

**Associate Consultant Intern, Digital Marketing Cloud, Adobe Systems**, Singapore

**Jan - May 2015**

- ▶ **Product Creation:** Pioneered a call center web app project - gathered client requirements, designed and developed the application, delivered documentation, and conducted user acceptance test; achieved initial targets two weeks before deadline
- ▶ **Product Prototyping:** Started Adobe's local web app service offering; designed app prototypes for potential clients, facilitated internal knowledge sharing, and advised engagement officers on billable hour estimation of two projects
- ▶ **Backend Development:** Built a metered feeds account service for a TV station client; designed dedicated database structure for the service and augmented feeds control with a customer authentication and authorization servlet

**Software Developer Intern, Snap Innovations (Trading Software Start-up)**, Singapore

**Oct 2013 - Jan 2014**

- ▶ Developed the main bid-ask trading interface in C++ in a team of five; designed test cases for trading algorithms
- ▶ Implemented RPC servers and clients with ZeroC Ice framework for communication with servers overseas

### BUSINESS / INVESTMENT BANK EXPERIENCES

**Sales and Trading Summer Analyst, Barclays Investment Bank**, Singapore

**Summer 2016**

- ▶ **Forex and Rates Sales:** Pinpointed top 3 of 20 regional fund clients with \$58 billion actionable assets as sales outlook presented to APAC Markets Head; drafted target clients' rates and foreign exchange trade ideas (performing rate 60%)
- ▶ **Credit Trading:** Prioritized an actively traded Indian firm and forecasted bond valuation by building financial forecast models; assessed the financials of a traded distressed firm; conducted strategic research into China's bond market

**Treasury Summer Analyst, Goldman Sachs**, Singapore

**Summer 2015**

- ▶ Streamlined treasury processes adopted by all regional offices in a global team of five; achieved single-repository synchronization of all 300 treasury processes two weeks ahead of deadline
- ▶ Traced anomalous transactions through root cause analysis; ensured 100% reconciliation accuracy of all transactions

### PROJECT EXPERIENCES

**Instatask, Location-Based Outsourcing Platform (Product Owner)**, Yale School of Management

**Aug - Dec 2016**

- ▶ Led the design and development of Instatask, a location-based web platform for users to post or perform paid tasks in team of four; defined project scope, organized scrum meetings and adjusted priorities; achieved objectives two weeks in advance

**Scalable, Highly Available, and Fault-Tolerant Graph Store Server System**, Yale University

**Aug - Dec 2016**

- ▶ Built a HTTP-based distributed graph server system in C in pair; achieved durability with logging and checkpointing; availability using hybrid chain replication and primary backup protocols; and scalability with locking and server partitioning

**Game Lab 3D Motion Design and Editing Tool (Gold Medalist)**, Final Year Project, Singapore

**Aug 2015 - May 2016**

- ▶ Created an animation design tool in OpenGL C++ that is able to load, play, edit, and export BVH format animations
- ▶ Enriched editing features with frame rate control, frame inbetweening, forwards kinematics and inverse kinematics

### LEADERSHIP AND ACTIVITIES

**President, French Society**, NTU

**Aug 2013 - Aug 2015**

- ▶ Revolutionized the annual schedule; doubled event numbers, expanded event scale, and broadened event diversity
- ▶ Headed a team of 25, orchestrated nine diversity events and reached a two-day turnout of 500

**Peak Performer Award**, Glacier National Park, USA

**Summer 2013**

### INTERESTS

**Interests:** Skiing, Classical Guitar, Scuba Diving (Licensed), Traveling (CouchSurfing and Carpooling in 20 countries)