

# Toh Zhen Yu, Nicholas

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Familiar with Java, Javascript, C++, ReactJS, Ruby on Rails,  
PostgreSQL, Git  
Strong in algorithms, informatics olympiad experience

## EDUCATION

**National University of Singapore** — Bachelor of Computing in Computer Science (Honours)  
— GPA 4.94

AUG 2019 - Present

**NUS High School** — Diploma (Distinction), Major in Mathematics with Honors in Biology and Chemistry

JAN 2011 - NOV 2016

## WORK EXPERIENCE

**Singapore Armed Forces** — Administrative Coordinator

APR 2017 - APR 2019

- Responsible for maintenance of military camp grounds
- Represented the battalion in communications with external contractors
- Planned events involving over 300 personnel and high ranking officers

**New Opera Singapore & Singapore Lyric Opera** — Opera chorus

2015-2016

- Roles involved acting and singing in multiple fully staged operas

**Research attachment at NUS (Food Science)**

2015-2016

- Studied the modification of fish gelatin to mimic mammalian gelatin in a 2 person team
- Published in Food Hydrocolloids (Elsevier)

**Research attachment at NTU/DSTA (Computing)**

2014

- Implemented algorithms to identify gender from voice recordings (independent work)
- Achieved >98.5% accuracy on Aurora 4 dataset

## PROJECTS

**Folio** — <https://folio-hnr.netlify.com/>

- User friendly Resume/Portfolio creation app with drag and drop features
- Developed on ReactJS with Rails/PostgreSQL backend, deployed on Heroku and Netlify

**Mousehunt Autobot** — <https://github.com/nicktohzzyu/Mousehunt-Autobot>

- Automated script to play the facebook game Moushunt, built in JavaScript and Ajax
- Intelligent and complex, able to complete quests and events
- User-customizable through an injected html menu, and stores persistent data

## ACHIEVEMENTS

**2019** Top scorer for "Programming Methodology 1" in a class of 520 students

**2015** Canadian Computing Competition 2015 (Distinction)

**2014** Australian Informatics Competition 2014 (Perfect score)

Australian Informatics Olympiad 2014 (Gold)