

# Tiancheng(Owen) Ying

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## Current address:

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## Objective

Internship for software engineering positions.  
Availability: Summer 2018, Winter 2018. Expected May 2019

## Education

**M.S. Computer Science** (2017 fall - 2019)  
Virginia Polytechnic Institute & State University (Virginia Tech), Blacksburg, VA  
Overall GPA Till Now: 3.92/4.0  
**B.S. Computer Science** (2013 - 2017)  
Beijing Institute of Technology, Beijing, China  
Major GPA: 3.8/4.0 Overall GPA: 3.4/4.0  
**Exchange Student. Computer Science** (2017.2 – 2017.5)  
Leiden University, Leiden, Netherlands

## Language & Skills

Language : Java, Python, C, C++, C#, Assembly Language, SQL,HTML,CSS  
Framework & System: Android, OpenCV, Tensorflow, Linux, MacOS, JavaEE

## Technical Experience

**Graduate Teaching Assistant, Virginia Tech** 2018.1-current

- CS3754 Cloud Software Developing
- JavaEE + Primefaces + Glassfish + NetBeans

**Linux: UI Chat Tools (Intern), Shenyang Neusoft Tech Co.Ltd.** 2014.6-2014.7

- Chatting program based on Linux-C. UI based on GTK.
- Achieve one-one chat, group chat, file transmission which makes people working in LAN more conveniently.

**JavaWeb: Supermarket Discount Recommend System(Intern), Tianjin Neusoft Tech Co.Ltd.** 2015.6-2015.7

- Recommend discounts nearby on website based on JavaWeb.
- Create an algorithm to recommend more favorable products.

**Android: DJI Drone Developing on MatriceM100, Research with Advisor**

- Using 3/4G to control drone completing certain tasks through mobile.
- Using DJI Onboard SDK and Raspberry Pie (with 3/4G module) to manipulate the flight as well as send and receive data.
- Achieve controlling the drone from long distance, even not the same city.

**Android: PPT Controller**

- Control the PPT with connecting the computer to mobile hotspot.
- Mobile can serve as a remote touchpad.
- Use sensors of the mobile to achieve laser pen function.

**JavaEE: Tracking Voter Turnout Web Application, Course Project**

- Using JavaEE + Primefaces, combining information visualization techniques to track Voter Turnout with back-end and front-end programming.

**Deep Learning: Change Detection based on Tensorflow, Bachelor Degree Project & Thesis** 2016.2-2017.5

- Improved Siamese network. Trained on Linux Server.
- Beats 80% methods on [changedetection.net](http://changedetection.net)

**Chinese ChatBot using AIML and Web.py (Co-work with MayLuo)**

**Mini C compiler based on Java**

**Sharing Ride Website (<http://www.vtride.info/>) based on LAMP**

**Mini Operating System Management Software based on C#**