

# RUOYANG XIONG

ALGORITHM / SOFTWARE ENGINEER ☎ 3522222558

## ◦ DETAILS ◦

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## ◦ LINKS ◦

[Homepage](#)  
[GitHub](#)  
[LinkedIn](#)

## ◦ SKILLS ◦

C++

Python

Framework Designing

Complex Problem Solving

Leadership Skills

Git

JIRA

Document Writing

## ◦ LANGUAGES ◦

English

Chinese

## 👤 PROFILE

Experienced C++ engineer with **6 years of software design** and **3 years of team management** experience. During my tenure at MYNTAI, I was mainly responsible for the SDK for the binocular camera which brought **10 million RMB profit** yearly. The product attracted a personal investment of **30 million RMB** by Mr. Chen, chairman of Shentong Express Co., Ltd. During my tenure at INDEMIND, I lead the refactor of SDK for a visual camera product, and the annual sales of the product went **from 1000 to 4000** units in one year. I led software development for an automatic washing machine product, which received **investment from cleaning equipment giant ICE**. For now, I'm a master's student majoring in Computer Science at the University of Florida working on **machine learning** research in the SERMOS lab.

## 🎓 EDUCATION

### Master of Computer Science, University of Florida, Gainesville

August 2021 — Present

- GPA: 3.89
- Student Assistant at the SERMOS LAB

### Bachelor of Intelligence Science and Technology, Hebei University of Technology, Tianjin

September 2011 — July 2015

- Won the second class prize in the **National Electronic Design Competition**(Team)
- Participated in **Formula Student China Competition**(Team)

## 📁 EMPLOYMENT HISTORY

### Student Assistant at University of Florida, Gainesville

October 2021 — Present

- Matched accuracy escaping routes of survivals in a terrific wildfire based on **Markov chain** by using real GPS data.
- Evaluated the reasonableness of the urban road network design in Sonoma by analyzing the routing choices during the wildfire.
- Analyzed the route choices of survivors and their influencing factors.

### C++ Engineer / SDK Group Leader at Indemind Inc., Beijing

February 2020 — August 2021

- Designed the software framework of a kind of visual camera product.
- Managed the software development of a large-scale automatic washing machine product.
- Led the revolution of the **JIRA workflow and the Git workflow**.

### C++ Engineer / SDK Group Leader at MYNT AI Inc., Beijing

September 2016 — February 2020

- Designed the SDK of the binocular camera product.
- Led the development of a **custom binocular camera product for Alibaba**.
- Designed the software of a kind of auto-calibration device and **obtained an invention patent**.