Software Engineer Internship (Research/Developing)

Empower every person and organization on the planet to achieve more. That's what inspires us, drives our work, and pushes us to challenge the status quo every day. At Microsoft, we also work to empower our employees, so they can achieve more.

The Computer Vision team in the Microsoft AI R&D Center in Taiwan is a team of researchers and engineers working on algorithms, tools, and experiences around practical applications of computer vision that powers Windows, Azure, and more. We are looking for a Masters/PhD intern to help solve challenging practical research problems we encounter while building our products and services. The internship will focus on a research topic in one of the following areas:

- Computer vision and machine learning
- Deep learning with synthetically generated data
- Face recognition and anti-spoofing
- Optical character recognition
- Natural language processing and understandings
- Crowdsourcing

Internship Details:

- Internship time: 2019/9/16 – 2020/1/17
- Location: Microsoft Taiwan Office (台北市信義區忠孝東路五段 68 號)
- Intern type: Full-time or Part-time (at least 3 days a week)
- Benefits: Meal allowance, Group Insurance, a chance to work on impactful projects at a global team.
Responsibilities

- Quickly ramp up and understand the scope and challenges of developing robust computer vision applications that can be used in practice
- Design, implement and integrate proof of concepts for developing computer vision systems
- Prototype different ideas for computer vision R&D to generate high quality results
- Research new ideas in computer vision, find insights to support business decisions and publish high impact papers
- Work closely with researchers to gather and iterate on feedback and requirements
- Apply machine learning techniques to solve challenging computer vision problems

Requirements

- Solid understanding of CS fundamentals and mastery of statistical concepts
- Programming experience with C++/C#/Python or equivalent
- Enjoy working with large-scale data and possess a mixture of software engineer and data scientist mindset
- Excellent communication skills and desire to collaborate in a multi-disciplinary environment
- Ability to work independently and ramp-up to new areas quickly

Basic Qualifications

- 3+ years programming experience with C++/C#/Python or equivalent
- Student currently pursuing Masters or Ph.D. degree in Computer Science, Information Technology or equivalent
- 3+ years experience in Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, Speech Recognition, or equivalent
- Preferred Qualifications
- Experience with deep learning, computer vision, and natural
- Ph.D. candidate in Computer Science, Information Technology or other quantitative disciplines, with publications in top conferences/journals, like CVPR, EECV, ICCV, ICML, EMNLP, ACL, etc.
- Experience with deep learning platforms, such as PyTorch