

# TIMOTHY HSIUNG

## Contact Info

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Software Engineer

## Location

Ottawa, Canada (Hometown)  
Taipei, Taiwan (Current)

## SUMMARY

- 7+ years (5+ years full-time, 2 years internship) software engineer working in a diverse set of technical roles
- People and project management experience in a mixed language environment (English and Chinese)
- International work experience in US (Microsoft, Facebook), Taiwan (HTC) and China (Microsoft)

## SKILLS

**Programming Languages:** [★ ★ ★] C#/XAML, C++, Python [★ ★ ☆] JS, Java  
**Web/App Frameworks:** [★ ★ ☆] NodeJS, ReactJS [★ ☆ ☆] Django, Android/Java  
**Databases:** [★ ★ ☆] MySQL, Google BigQuery, MongoDB  
**Developer Tools:** [★ ★ ☆] UNIX Shell Scripting [★ ☆ ☆] Docker

## WORK EXPERIENCE

**Principal Software Engineer: Desktop Client, HTC, Taipei, Taiwan** July 2019 - Current

- Integrating partners team's HMD streaming solution in C#/XAML VIVEPORT Desktop Client
- Redesigned and refactored UI elements and layout based on new UX design
- Managing feature status, hosting feature planning and production release meetings

**Supervisor: VR Data Engineer, HTC, Taipei, Taiwan** September 2017 - June 2019

- Led TW-based data engineering team in project and people management with US-based manager
- Designed GDPR-compliant data anonymization and access for Google BigQuery json logs
- Developed Python scripts in Docker images to ingest data (ie: MSSQL Server, Azure) into GCP (GCS, BigQuery)

**Software Engineer: OS Platform, Microsoft, Redmond, Washington, US** September 2013 - October 2015

- Created a C# library used to add Points of Interest in Windows 10 Maps app
- Designed and implemented Maps API in C++/WRL to address competitive feature gap
- Collaborated and tested with partner team to ensure Maps APIs work across hardware platforms

## INTERN WORK EXPERIENCE

**Program Manager, Microsoft, Shanghai, China** September 2012 - December 2012

- Designed and wrote specification for high-level system monitoring page
- Collaborated and designed new UI and workflow with UX team for MARS

**Web Application Developer, Morgan Stanley Smith Barney, New York, NY, US** January 2012 - April 2012

- Created "New Change of Address" application using JSP, HTML and CSS

**Backend Software Engineer, Facebook, Palo Alto, California, US** April 2011 - August 2011

- Migrated profile data from legacy format to new Timeline format using PHP and MySQL
- Created write-time aggregator for space efficiency purposes checking all stories appearing on Timeline

## OTHER EXPERIENCE

**Gap Year, Taipei, Taiwan** May 2016 - September 2017

- Attended advanced intensive Chinese classes at NTU (15 hours/week)
- Volunteered and led Microsoft's US-Taiwan intern mentoring program
  - Organized events for interns focusing on self-reflection, self-discovery and deciding their life direction
- Self-learned Android mobile development from Coursera and Stanford courses

## EDUCATION

**Bachelors of Software Engineering**, University of Waterloo, Waterloo, Ontario, Canada September 2008 - 2013  
Combinatorics and Optimization Minor