

# Napol Rachatasumrit

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**CONTACT INFORMATION** 5424 Fifth Avenue, APT 201, Pittsburgh, PA 15232  
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**EDUCATION** **Carnegie Mellon University** **Aug 2016 – Aug 2018 (Expected)**

- School of Computer Science, Human-Computer Interaction Institute
- Master of Educational Technology and Applied Learning Science
- Overall GPA: 3.85/4.00

**University of Texas at Austin** **Aug 2008 – May 2012**

- B.Sc. in Computer Engineering with Special Honors
- B.Sc. in Mathematics with Honors
- Business Foundation Certificates
- Overall GPA: 3.83/4.00 Major GPA: 3.87/4.00

**RELATED EXPERIENCE** **Developer, Hippo Inc** **Feb 2017 – Dec 2017**

- Developed a test prep platform for Thai college admission exam.
- Designed and implemented backend services and REST APIs using Django, Rabbit MQ, and PostgreSQL.
- Implemented client side using ReactJS and ReactNative.

**Software Engineer, Azure, Microsoft** **Jan 2014 – April 2016**

- Designed and implemented multiple backend services, such as monitoring and usage, for private cloud in Azure Stack team.
- Designed and implemented several components in Azure Resource Provider SDK.
- Collaborated with multiple internal partners for code sharing and integration.

**Software Engineer, Windows Phone, Microsoft** **Aug 2012 - Jan 2014**

- Developed data-driven test engines to automate tests for WinRT Storage APIs in Windows Phone Platform.
- Managed the quality of 100+ APIs under Windows.Storage namespace. Involved in the early stage of a new test framework development. It supports inter-process communication between an app and a test harness.

**Research Assistant, Univ of Texas at Austin** **Jan 2010 - May 2012**

- Worked in Software Evaluation and Analysis Laboratory (SEAL) under supervision of Dr. Miryung Kim.
- Collaborated with a graduate student to develop and improve Ref-Finder, a refactoring reconstruction tool based on logic query templates.

**SELECTED PUBLICATIONS**

- **Rachatasumrit, N., Kim, M.**, "An Empirical Investigation into the Impact of Refactoring on Regression Testing," The 28<sup>th</sup> IEEE International Conference on Software Maintenance (ICSM 2012), Trento, Italy, pages 357-366, September 2012. (25% acceptance rate) <http://dx.doi.org/10.1109/ICSM.2012.6405293>
- **Prete, K., Rachatasumrit, N., Sudan, N., Kim, M.**, "Template-based Reconstruction of Complex Refactorings," The 26<sup>th</sup> IEEE International Conference on Software Maintenance (ICSM 2010), Timisora, Romania, IEEE Computer Society, pages 1-10, September 2010. (26% acceptance rate) <http://dx.doi.org/10.1109/ICSM.2010.5609577>

**TECHNICAL SKILLS** **Proficient Language:** C#, Python, Javascript  
**Familiar Language:** Assembly, C/C++, Java  
**Web Technologies:** HTML/CSS, Django, Twitter Bootstrap, Reactjs, Nodejs