

Ahram Yun

5551 Centre Ave, Apt #417

Pittsburgh, PA 15232

408-649-1294

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Dear Hiring Manager:

I am writing in response to the job opportunity that you posted on Handshake-Carnegie Mellon University. I am a graduate student in the Master of Information Systems Management at Carnegie Mellon University and I will be graduating in May 2017. My experience in Software Engineering and CMU's unique education would make me an ideal candidate for the position.

I am highly passionate about analyzing and solving problems with logical thinking. People say that I'm hard-working, a quick-learner, and take responsibility. As an enthusiastic software engineer, I would like to build the products that help people connect with each other around globe.

Before I started to pursue my master's degree, I worked as a software engineer intern for Panasonic Research and Development Center with world-class software engineers. Working for Panasonic's research division has exposed me to challenges that further push my limits and allowed me to learn through responsibilities as software engineer. Prior to the internship at Panasonic, I worked for a start-up company named WE&FACTORY. I built up an Android mobile application from the ground up and it held multiple functionalities; implementation of server-side, database, and server-to-client APIs.

Thank you for considering my application for candidacy. I look forward to discussing my qualifications with you. The attached resume will provide you with a complete list of my experience and relevant skills. If you have any questions, please feel free to contact me at ahramyun7@gmail.com or 408-649-1294.

Sincerely,
Ahram Yun

Enclosure

AHRAM YUN

5551 Centre Ave #417, Pittsburgh, PA 15232 | 408-649-1294 | ahramyun7@gmail.com

EDUCATION

Carnegie Mellon University, H. John Heinz III College, Pittsburgh, PA (Expected) **May.2017**
Masters in Information Systems Management, GPA: 3.59/4.0

- Relevant Coursework: Object Oriented Analysis and Design, Distributed Systems, Data Structure and Algorithm, Database Management, Internet Technologies, Advanced Relational Database, NoSQL Database Management

Sogang University, Seoul, South Korea **Feb.2015**
B.S. in Computer Science and Engineering with Magna Cum Laude, Major GPA: 4.15/4.5

- Teaching Assistant(TA): C language (2013), Java Language (2013) and C Programming(2014)

WORK EXPERIENCE

Panasonic R&D Company of America, CA | Software Engineer Intern **Jun.2013 - Jun.2014 / Mar.2015 - Mar.2016**

- Built a web crawler to collect research data and store processed dataset (Python/MongoDB/PhantomJS)
- Designed database schema and implemented backend server-side functionalities (MySQL/JavaScript/NodeJS/PHP/CodeIgniter)
- Implemented Wi-Fi Manager that manages mobile device's internet connection on Android OS environment (JAVA)
- Added new features to the engine that communicates with MS Exchange Server, Google Calendar using SOAP (C/C++)
- Customized SIP module in Panasonic Engine Framework to allow video conference with other SIP client devices (C/C++)

WE&FACTORY, South Korea (Start-up) | **Lead Programmer (Co-founder)** **Oct.2012 - Apr.2013**

- Built up an automated advertising Android mobile application based on user's location and a Data Analytics Solution for marketing purpose using Push Notification, Bluetooth, and Bluetooth Beacons (JAVA/jQuery/JavaScript/MySQL)

WINS Co., Ltd., South Korea | **Software Engineer (Part-time)** **Aug.2011 - Oct.2012**

- Enhanced a cryptographic module to support 64bit OS, MIPS, reinforcing security entropy (C++/FIPS PUB 186-2/NIST SP 800-90)

PODO Co., Ltd., South Korea | **Lead Programmer** **Oct.2010 - Jun.2011**

- Developed a mobile game application running on Feature Phone and Android OS that resulted in over \$50,000 in revenue
- Implemented base engine structure for calculating game data and improved user interface (JAVA/C/C++)

WINS Co., Ltd., South Korea | **Software Engineer** **Dec.2007 - Oct.2010**

- Implemented a cryptographic module used to make security bits, encrypted logs, authentication and secure session (C/C++)
- Designed and created SSL Decrypt Library to analyze and observe the contents of https packets in the network session (C/C++)
- Improved intrusion prevention system software and analyzed network attacks from system vulnerability (C/C++)

Samsung Electronics Co., Ltd., South Korea | **Software R&D Intern** **Jul.2007 - Dec.2007**

- Invented Multi Laser Pointing System which supports drawing lines on the user's screen, customized gestures in Windows, and sliding pages in Microsoft PowerPoint by identifying the laser pointer's lights position using webcam (C/C++/MFC)

SKILLS

- Programming Languages: JAVA, Python, C/C++, JavaScript, PHP, PL/SQL, Shell Script, HTML/CSS
- DB & Web: NodeJS, MongoDB, Redis, Cassandra, Oracle SQL, MySQL, CodeIgniter, Nginx, JSON, XML, Hadoop, MapReduce
- Development Environment: Linux, UNIX, Android OS, Windows, Solaris, MIPS
- Tools: Vim, Github, JIRA, AWS, SQL Developer, Eclipse, Sublime Text, Android Studio, NetBeans, Docker, VirtualBox, VMware
- Languages: Native in Korean and proficient in English

AWARDS AND HONORS

- MISM Scholarship, H. John Heinz III College, Carnegie Mellon University (Merit-based, 30% of tuition) **May.2016**
- Awarded 2nd Prize in the SK Planet Start-up Beginning Competition **Mar.2013**
- Awarded Undergraduate 1st Prize in Sogang University Start-up Competition **Jan.2013**
- Awarded 3rd Prize in Korean Students Technology Business Plan Competition **Dec.2012**
- Honors Scholarship, Sogang University (Merit-based, for exceptional academic performances, 2 times) **Mar.2013, Mar.2012**

PATENTS

- High performance network equipment with a function of multi-decryption in SSL/TLS sessions' traffic and data processing method of the same (KR.10-2010-0104638) **Apr.2012**
- Portable terminal and method for transmitting/receiving information thereof. (KR. 10-2013-0119626) **Apr.2015**