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Hyung-Joon Kim

Objective

To pursue a full-time position in the field of information technology with an emphasis on software engineering or web application development

Summary

Highly motivated self-starter and quick learner with a strong passion and aptitude for learning new knowledge. Over 15 years of extensive life experience in a broad range of computer and Internet technologies. Strong ability of long range planning, decision making, and critical and forward thinking in problem solving. Exceptional research and analysis skills, and excellent attention to details. Positive and initiative attitude, dependable and thorough in both independent and collaborative work. Proven experience from military service in fast-paced, challenging, and stressful working environment.

Education**MEng, Networked Information Systems, May 2008**

- Concentration: *Multimedia Information Systems*

Stevens Institute of Technology, Hoboken, NJ

- Overall GPA: 3.9/4.0

BS, Applied Computational Mathematical Science, Jun 2005

- Concentration: *Discrete Mathematics and Algorithms*

University of Washington, Seattle, WA

- Overall GPA: 3.3/4.0
- Major GPA: 3.7/4.0
- Scholarship Dean's List, Jun, 2002

AS, North Seattle Community College, WA, Jun 2001

- Overall GPA: 3.9/4.0
- Excellent Academic Achievement President's List (3 times, 1999 ~ 2001)

Experience**R&D Center, nTels Co., Ltd., Seoul, Korea****11/05 ~ 7/06**

- Software Engineer, Researcher
- Developed and maintained Operating Support System (enterprise applications) of the mobile telecom carriers: Helio(USA), SK Telecom(Korea), SK Networks(Korea), implemented new features for the existing system, and provided technical support/troubleshooting
- Ported enterprise applications (64-bit HP-UX, Solaris) to 32-bit Red Hat Enterprise Linux AS for exhibition in 3GSM World Congress 2006
- Designed and developed, for internal use, the standardization process and manual for Software Requirements (based on IEEE Standard 830-1998)
- Researched new technologies, standards, and best practices for the convergence of IP networks and telecommunications networks
- Participated in Request for Proposal on KTF (Korea Telecom Freetel) Advanced Operations Support Systems Project – Contracted
 - Overview: Development of SOA-based accounting/charging solutions for the next generation mobile technology, 3.5G, such as HSDPA and Wi-Bro(Max), supporting converged management for all IP networks, real-time AoC (Advice of Charging), and QoS (Quality of Service)

North Seattle Community College**1/00 ~ 7/01**

- Tutor in Math and Computer Science

Division Headquarter, the 36th Infantry, Republic of Korea Army**3/96 ~ 5/98**

- Intelligence and Operations Staff, Cryptographer

- Planned and organized tactical operations
- Responsible for alerts at Command & Control Center (day/night shift) and operated tactical wireless communication devices
- Responsible for cryptograph, intelligence, and security including the production and management of confidential documents
- Administrated UNIX computing systems

Skills

Programming/Markup Language

Proficient: C/C++, Java, Python, HTML/CSS, XML

Experienced: C#, PHP, JavaScript, Unix shell script

Operating System/Software

Unix/Linux, Windows XP/Vista, MS Office Suite, Eclipse, Visual Studio, MATLAB, Flash, Dreamweaver, Photoshop, OpenGL, 3ds Max, Solidworks, VMware, MySQL, Oracle

Language

English

Korean

Curricula

Advanced Courses Taken: (Grade Scale: 4.0)

Advanced Multivariable Calculus	3.8
Scientific Computing	3.7
Applied Linear Algebra and Numerical Analysis	3.4
Combinatorial Theory	2.6
Linear Optimization	2.7
Discrete Optimization	3.2
Discrete Mathematical Modeling	3.2
Continuous Mathematical Modeling	3.9
Visualization and Computer-Aided-Design	3.8
Data Structures and Algorithms	3.9
Programming Languages and Compiler Systems	3.7
Computer Architecture and Operating Systems	3.6
Algorithms and Computational Complexity	3.8
Artificial Intelligence	3.9
Networked Information Systems	3.0
Design and Analysis of Network Systems	4.0
Information Systems Security	4.0
Database Management Systems	4.0
Wireless Systems Security	4.0
Applied Data Structures and Algorithms	4.0
Integrated Services – Multimedia	4.0
Interactive Computer Graphics	4.0
Multimedia Compression	4.0
Applied Machine Learning	4.0

* Some coursework and personal interests presented [here](#)