

CHANSIK MOON

SOFTWARE ENGINEER



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Houston, TX

SUMMARY

Results-driven Software Engineer with experience in advancing productivity with novel and efficient technologies without compromising the integrity of the IT Services or the financial efforts.

CORE COMPETENCIES

Process Improvement
Cybersecurity | Quality Assurance
Stakeholder Engagement
Requirement Management
Software Development Life Cycle

TECHNICAL SKILLS

CODING: C#, C/C++, Java, XAML, Python, MATLAB, R, JavaScript, SQL, HTML, CSS

TECHNOLOGIES: Version Control System, WPF, WCF Server, Unity, Wireshark, AWS, ASP.NET, Google Cloud Platform

OS: Windows, MacOS, Linux

APPLICATIONS: MS Office Suite, Adobe Photoshop, Lightroom, Premiere Pro

LANGUAGES

KOREAN.

Full Professional Proficiency

ENGLISH.

Full Professional Proficiency

EDUCATION

**BACHELOR OF SCIENCE (BS) IN
COMPUTER SCIENCE**

Mathematics Minor
University of Houston,
Houston, TX 2019

Coursework Included:

Software Engineering, Data Science
and Machine Learning, Data Mining,
Data Structures, Operating Systems,
Computer Networks, Algorithm &
Complexity

EXPERIENCE

SOFTWARE ENGINEER

Emerson Automation Solutions, Houston, TX

May 2019 – Present

Ensure business continuity by implementing a security system to control access and guarantee confidentiality, integrity, and availability.

- Increased by 20% the simulation performance and optimized the data output with new engine features.
- Developed a browser-based remote desktop on the application to ease access, using OAuth 2.0 to enhance security.
- Reduced the risks of disruption and consistently met the deliverables' deadlines in collaboration with project managers and engineering teams without compromising the clients' requirements.
- Boosted stakeholders' engagement by promoting adaptability and transparency, addressing the business concerns with the fittest solutions.

SOFTWARE ENGINEERING INTERN

ETS-Lindgren, Austin, TX

May 2018 – Aug 2018

Slashed IoT's costs by 60% with a voice-based IoT solution, supporting different styles of command translations accurately.

- Created a voice assistant with Amazon Web Services (AWS) and Google Cloud Platform (GCP), integrating it with advanced measurement environments.
- Optimized profitability by saving costs and energy with an efficient IoT system based on MQTT protocol.
- Became highly proficient in detecting business needs and translating them into requirements with both technical and financial feasibility.

OFFICE MANAGER / TUTOR

Solution Educations Inc, Houston, TX

Oct 2013 – May 2019

Reduced process time by 40% with a regulatory system to track student information and scoring performances.

- Gained mastery in transforming the stakeholders' interests into specifications with business and technical fitness.
- Boosted the students' academic performance by transforming complex concepts regarding C and Java programming languages, physics, chemistry, and math into concise ideas.

PERSONAL PROJECTS

- Designed a responsive personal portfolio site in HTML, CSS, and JavaScript.
- Built an Artificial Neural Network and Convolutional Neural Network model to determine image classification with Python, CloudCompare and R.
- Used a two-layer BeagleBoard with ARM chip to send data via Linux.
- Developed an end-to-end ATM UI with core banking functions with Java.
- Generated an admin portal in C# and ASP.NET MVC framework with core admin functions.
- Created a 2D Game named "Relentless" with Unity, Photoshop, and Spriter.
- Designed a 3D educational game with 3Ds Max, Spriter, and Unity.