

# CHANSIK MOON

SOFTWARE DEVELOPER

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🏠 Houston, TX

## SUMMARY

Results-driven Software Developer 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 DEVELOPER

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.