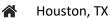
# **CHANSIK MOON**

**SOFTWARE ENGINEER** 

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# **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.