Hyungsuk Do

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EDUCATION

Georgia Institute of Technology, Atlanta, Georgia
Bachelor of Science in Computer Science
Intelligence & Media - Degree Awarded in Fall 2018

Skills & ABILITIES

• Programming/Experience - C#, ASP.NET CORE, SQL, VB.NET, Java
Python, jQuery, Javascript, Json, HTML, CSS
• Logical, Creative and Enjoy Thinking and Problem Solving
• Languages - English (Fluent), Korean (Native)

EXPERIENCE

- **Full-Stack Developer | Alabama Department of Public Health - (08/22/2022 ~ Present)**
  - Primary developer of the Electronic Vital Events Registration System, leading its development and maintenance
  - Designed and implemented the system architecture using C#, ASP.NET, SQL, JavaScript, Telerik, Bootstrap, Rest API, MVC, VB.NET
  - Developed and optimized UI components, business logic, and database schemas to ensure system efficiency
  - Integrated, maintained, and troubleshot internal and external 3rd party APIs and web services
  - Worked extensively with T-SQL, stored procedures, and database management to support large-scale public health record
  - Developed and modified certification forms and reports related to publish health records
  - Collaborated with business analysts, project managers, and other stakeholders to align development with organizational needs

- **Full-Stack Developer | Hyundai Mobis North America (Unify Systems) - (04/2019 ~ 05/2022)**
  - Designed, developed, and maintained enterprise-level web applications for automobile assembly plants
  - Utilized C#, ASP.NET Core, SQL, and JavaScript to develop robust solutions and manage database interactions
  - Performed complex system analysis, debugging, and troubleshooting for real-time vehicle module tracking applications
  - Designed database tables and optimized relational database systems for handling large-scale automotive data
  - Generated comprehensive reports using big data analytics to improve system efficiency and performance

PROJECTS

Electronic Vital Events Registration System (Current Project)

C#, ASP.NET Core, SQL Server, SSRS, T-SQL, jQuery, HTML, CSS, JavaScript, REST API
Directly involved end-to-end development of a web-based registration system for managing vital records (Birth, Death, Marriage, Divorce).
Developed secure and scalable backend solutions and integrated API services for seamless data flow.
Designed responsive UI components to enhance user experience and accessibility.

Pricing of Item - Web Application (Personal Project)

Python, Flask, CSS, JavaScript, Bootstrap, MongoDB, Jinja, HTML, MailGun, Django
Developed a pricing comparison web application that aggregates product data from various sources.
Integrated MongoDB for efficient data storage and retrieval.

Web Application Design for Jacob's Ladder (Group Project)

Python, PostgreSQL, HTML, CSS, JavaScript, React, Bootstrap
Developed front-end and back-end components for a web-based management system.
Designed a user-friendly UI with React and Bootstrap.

ClassRoomEscape (Unity & C) – Developed an interactive escape room simulation.
Cozmo (Robotics - Python) – Implemented various filtering techniques for AI-driven robotics.
The Invention and Evaluation of Solomon Pillow on Insomnia (Java, Audacity, Processing) – Conducted software-based sleep analysis research.