

Sung-Jun Baek

GitHub: <https://github.com/MarcoBackman>

LinkedIn: <https://www.linkedin.com/in/sung-jun-tony-baek-9b505b11a/>

150 W University Blvd. Melbourne, 32901
Box #150005, United States
+1 321-977-4717
sbaek2015@my.fit.edu

EDUCATION

Florida Institute of Technology, Melbourne, Florida. May 2022
B.S. in Computer Science

GPA: 3.36 / 4.0

Courses

Graphics Algorithm	Web Application	Data Structures	Software Design	Analysis of Algorithms
Networking	Operating System	Assembly Language	Computer Architecture	Differential Equation

SKILLS

Java Spring	Python	C/C++	Git / GitHub	AWS EC2/ S3
MongoDB / PSQ	Node JS / React	HTML5 / CSS3 / JS	EJS/JSON	RSS/API

PROJECTS

Model-Based IoT Senior Project. Aug 2021 – April 2022

<https://tcc2021seniorproject.github.io/>

Managed efficient work progress for the team as a team leader and developed an autonomous translator from a formal graphical diagram (UPPAAL) model into executable python scripts for the distributed IoT system.

- Web/server application on AWS EC2 and JAVA Spring Boot for real-time user request handler
- Project based on intense logical scheming & highly object-oriented system designing in Python
- Association of sync/async threading on Raspberry Pi with iRobot through the Intranet connection.

Embedded Contest. April 2021 – Aug 2021

https://github.com/MarcoBackman/2021ESWContest_webOS_3007

Developed a web application service. The project goal is to build an IoT system that associates embedded hardware devices (Raspberry Pi) and a webOS Operating system. Passed preliminary round.

- Developed server-side web application for a real-time content refresh on user request by using Express, jQuery, EJS with SQL
- Implemented JSON web token for timed authentication with secured authentication developed with Node JS

UI Base Applications Personal Projects. May 2018 – May 2021

Developed multiple UI-based software using Java built-in libraries - AWT components, Date, and Event Handler.

AWARDS

- **Spring 2022 Dean's list** award. Florida Tech
- **Fall 2021 Dean's list** award. Florida Tech
- **Spring 2019 Dean's list** award. Florida Tech

EXPERIENCE

Computer Technician. ROK Navy, Jinhae-Gu, South Korea. Sep 2019 - May 2021

Petty Officer 3rd - Petty Officer 2nd rank

- Worked as a computer technician and documentation administrator
- Handled military surveillance infrastructures on a physical and data link layer
- Managed class C scale intranet, management of network and computational devices to provide secured service

Seaman rank

- Destroyer ship signal corpsman crew member in communication division
- Monitored ship connectivity with HHQ via isolated satellite communication to provide secure and reliable connection service

MEMBERSHIP

Korean Student Association. Melbourne, FL. June 2016- Nov 2018

Vice-president. Feb 2016 – Dec 2016. Participated in Florida Institution of Technology events and seminars. Proceed with several projects: created tutoring system, official website activation, and established academic filing system.

Tutoring Assistant. Jan 2017 – Nov 2018. Affiliated with KSA. Tutored KSA members in mathematics and Java programming.