Saem Jeon

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Education

Drexel University (BS/MS Accelerated Degree Program) *Philadelphia, PA*

B.S. in Electrical & Computer Engineering *Expected Graduation: June 2022*

M.S. in Computer Science *Cumulative GPA: 4.0 (Dean's List)*

Minors in Finance, Business Administration

Skills

Programming	Python, MATLAB, JavaScript, .NET, LaTeX, VHDL, CSS, HTML, jQuery, Flask, Arduino, SQL, C
Software	Visual Studio, Tableau, Fusion 360, JIRA, Vivado
Operating Systems	Windows, Linux

Work Experience

iPipeline *Philadelphia, PA*

.NET Developer *April 2019 - August 2020*

- Developed .NET SaaS products to automate application processes for the life insurance companies
- Utilized Microsoft SQL Server, InRule, Visual Basic, XML, proprietary language and other in-house software
- Collaborated with internal teams to produce software products for the clients while following agile development method
- Troubleshot and resolved bugs in .NET applications to stabilize the development environment and final product

Drexel College of Computing & Informatics *Philadelphia, PA*

Teaching Assistant *September 2018 - June 2020*

- Performed one-on-one or small group academic tutoring to students who have difficulty with course materials
- Graded and provided feedback on students' assignments to improve programming technique and efficiency
- Facilitated in lab activities and gave guidance to students

Projects& Hackathon

Auto-Cropped Panorama Image Stitching *Philadelphia, PA*

Skills used: OpenCV, Python *April 2020 - June 2020*

- Constructed an auto-cropped image stitching tool that removes black pixels resulted from a normal panoramic image
- Used OpenCV library to build an image stitcher
- Modified a well-known algorithm which finds maximum rectangular area to find the largest resulting image while removing all the black pixels

Collect Your K-Pop *Philadelphia, PA*

Skills used: HTML, CSS, Bootstrap, Flask, Python, SQLite, jQuery *January 2020 - March 2020*

- Implemented a web platform where KPop fans can trade goods collections of their favorite KPop artists
- Employed HTML, CSS, and Bootstrap to build a front-end and Flask and SQLite to structure and communicate with a database
- Introduced an order confirmation system to ensure trust in e-commerce

Elderly Vibrations *Philadelphia, PA*

Organizer's Choice & Best Hack that Promotes Accessibility | DragonHacks *April 2019*

- Utilized Internet of Things (IoT), open source hardware, and API to make the world more accessible for elderly blind people
- Combined Arduino Uno and ESP 32 to connect hardware and software components through Bluetooth
- Created an Android GUI to sense obstacles in space and send signals to vibrate motors

Activities

President, Drexel Tau Beta Pi (TBP) Engineering Honor Society	*April 2021 - Present*
Treasurer, Drexel Tau Beta Pi (TBP) Engineering Honor Society	*April 2019 - April 2021*
Event Coordinator, Drexel Institute of Electrical and Electronics Engineers (IEEE)	*July 2020 - Present*
DragonHacks Coordinator, Drexel Institute of Electrical and Electronics Engineers (IEEE)	*April 2019 - June 2020*
Mentor & Tutor, Drexel Engineering Learning Community	*April 2019 - March 2020*
STEM Retention Peer Mentor, Drexel College of Engineering	*September 2018 - December 2018*