


# SAMUEL HONG

## SOFTWARE ENGINEER

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 <https://github.com/hongssam9>

## SKILLS

Programming Languages	JavaScript, Python, HTML5 / CSS3, C++, MATLAB
Framework & Libraries	ReactJS, Django, NodeJS, Express, Mongoose
Databases	SQL, MongoDB
Tools	Git / Github, PostgreSQL, NoSQL, Docker, Microsoft Office, SolidWorks (CAD), MSC Patran/Nastran, AWS
Languages	English, Korean, Spanish

## EXPERIENCE

### Software Engineering Fellow

Oct 2021 - Jan 2022

#### General Assembly

420+ hours of intensive training in a variety of modern programming languages and technologies

- Utilized hands-on approach to design and build web applications with full CRUD functionality
- Produced four applications using full-stack JavaScript and several other programming languages

### Assistant Store Manager

Jan 2020 - Oct 2021

#### Genie's Beauty Supply

Completed management and organizational tasks that supported efficiency of store's operation and promoted great shopping experience for about 200 store patrons daily

- Monitored and maintained store inventory levels
- Resolved customer complaints and concerns in a timely manner

### Direct Methanol Fuel Cell Research · Co-Leader

Jan 2019 - Dec 2019

#### University of Kansas

Investigated the use and impact of direct methanol fuel cells in material handling applications

- Developed and tested methods to increase performance and decrease costs of direct methanol fuel cells
- Exceeded Department of Energy's expectations and acquired additional funding for DMFC research

### Dilatant Decelerate System · Project Leader

Jan 2019 - May 2019

#### University of Kansas

Responsible for redesigning the retrofit plate on the back of US Air Force helmets to reduce whiplash and augment safety and function

- Constructed and tested 30 prototypes to ensure quality and reliability while not compromising functionality
- Successfully reinforced helmet base plate to allow full lateral head movement by 35%

## EDUCATION

### General Assembly

Oct 2021 - Jan 2022

Software Engineering Immersive

### University of Kansas

Aug 2014 - Dec 2019

B.S. Mechanical Engineering (BSME)