JEONG YEON (AVA) CHOI

Software Engineer/ Front end Developer
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TECHNICAL SKILLS/ PROGRAMMING LANGUAGE
- **Front end**: Javascript, React.js, Redux.js, HTML, CSS, RESTful APIs, Axios, spa, AJAX
- **Back end & others:** Node.js, Express.js, SQL, PostgreSQL, sequelize, Git, GitHub, Mocha, Chai, Heroku, Webpack

PROJECTS
Bulbasaur-bake-shop |Fullstack Developer|https://bulbasaur-bake-shop.herokuapp.com
   E-commerce website with inventory catalog, shopping cart, sign up/log in form, and checkout capabilities.
- Built a database and server for data persistence on inventory, new and existing users, and shopping orders with full CRUD functionality.
- Developed front-end components for user experience on the cart and checkout.
- Created seamless UI/UX across multiple screen sizes ranging from laptops to tablets to smartphones.
- Tech Stack: Node.js, HTML5, CSS, React, Redux, Express, PostgreSQL, and Heroku.

World of Arcana | Fullstack Developer | https://world-of-arcana.herokuapp.com/game
   Web application for a fantasy themed massively Multiplayer Online Role Playing Game written in Javascript. Features includes fully synchronized multiplayer, chat, multiple zone, combat, leveling system, and player inventory.
- Implemented user experience on the game dashboard, with react and redux.
- Connected Phaser and React using sockets & event emitters to render information from the database.
- Built a database and server-side for users, characters, and maps.
- Tech Stack: NodeJS, Javascript, PostgreSQL, Sequelize, Express, React, JWT, Redux, and Material UI, Socket.io, Phaser, Tiled, Texture Packer.

EXPERIENCES
Graphic Designer
Feel Beauty Supply, Queens, NY   **01/19-07/19**
- Designed web banners and web contents on the company e-commerce site, including newsletters, coupons to aid in promoting 30 stores
- Managed updating products and news on the e-commerce site by operating the e-commerce platform (Magento) and social networks to reflect new products and branding

CERTIFICATION
Goldman Sachs Engineering Virtual Program   **07/22-07/22**
   Participated in the open access Goldman Sachs Virtual Experience with Forage
- Analyzed current password database to discover vulnerabilities around password policy and security controls
- Identified the hashing algorithm used was MD5 and utilized hashcat to decode the passwords
- Proposed solutions to increase security by implementing slow hashing algorithms such as bcrypt, script, and PBKDF2 and salting to intentionally slow down calculation time

EDUCATION
Grace Hopper Program at Fullstack Academy, New York, NY   **08/21-10/21**
An immersive software engineering program centered on full-stack JavaScript development.

Queens College CUNY, Queens, NY
Bachelor of Arts, Biology   **03/11-02/14**