

# Joman Diec

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## WORK EXPERIENCE

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### Popcorn Robot

January 2023 – Present

*Full-Stack Engineer*

*Los Angeles, CA*

- Conduct bulk data modifications to prepare for site version update and ensure smooth deployment.
- Successfully deploy updates onto the server to improve overall website performance and enhance mobile compatibility.
- Leverage Javascript on e-commerce platform to customize user experience based on complex customer group requirements
- Upgrade site from v2 to v3 of the platform and adapt features of the old site to be compatible with the new one
- Customize HTML/CSS theme files to better match client's desired aesthetic and accessibility requirements
- Developing custom JavaScript features to allow dynamic updating of store checkout within the Stencil framework
- Add custom Javascript to pages that conditionally formats page feature depending on customer group
- Worked in a team of 4 people using Agile methodology

Mar 2022 – Jan. 2023

- Declined an offer to move when company announced it was relocating to Dallas
- Helped wrap up operations in Los Angeles before collecting severance bonus and PTO, leaving company on good terms
- Took extended break during which I continued improving my skills in programming

### Sunrider International

May 2008 – Mar. 2022

*Biotechnology Researcher, R+D dept.*

*Los Angeles, CA*

- Researched and evaluated feasibility of setting up a biofermentation lab and production facility for cosmetic and supplement ingredients.
- Performed long-term stability tests on various food, personal hygiene, and cosmetic products using HPLC, MS, FT-IR, TLC, GC, and various chemical assays according to SOP.
- Wrote/edited SOP's for testing methods of new compounds of interest to US and foreign regulatory agencies
- Performed various tests on a variety of compounds from suppliers to determine if they meet USP, FCC, and/or ACS specifications
- Purified and/or prepared extracts from raw herbs for use in the manufacture of finished products
- Provided general maintenance to the lab including instrument calibration/upkeep, purchase of equipment/consumable, and disposal of hazardous chemicals

### Walter Reed Army Institute of Research

July 2005 – May 2008

*Graduate Intern, Molecular Pathology dept.*

*Silver Spring, MD*

- Used cDNA microarrays to perform an analysis of gene expression in cells from host infected with encephalitis or anthrax
- Isolated RNA from cells suspended in trizol through a chloroform extraction
- Analyzed RNA samples for quantity and quality using bioanalyzer to determine if they were suitable for further experimentation
- Processed samples collected from clinical trials of a vaccine for dengue fever
- Started and maintained cell cultures for use in breast cancer studies

### Advanced Sterilization Products

September – December 2003

*Senior Research Technician, R+D dept.*

*Irvine, CA*

- Worked in the Biocides division performing studies, in accordance with GLP, that troubleshoot design problems related to company's glutaraldehyde product
- Performed and made reports on pH, absorbance, and concentration studies on the product that served as a basis for decisions and solutions made by management

## CODING PROJECTS

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### Wavelength

August-October 2022

[github.com/JomanDiec/wavelength/tree/master/app](https://github.com/JomanDiec/wavelength/tree/master/app)

- Python-based multiplayer turn-based game played on mobile devices using Django, Javascript, and SocketIO technologies.
- Host is able to control when game starts and trigger page load for all players when ready
- Slider feature that uses SocketIO to update its position in real time across multiple devices
- Built in a team of 4 people using Agile method

### Haunted Mansion

July- December 2022

[github.com/JomanDiec/popcorn-robot/blob/master/haunted\\_mansion/templates/haunted\\_mansion.html](https://github.com/JomanDiec/popcorn-robot/blob/master/haunted_mansion/templates/haunted_mansion.html)

- Single player point-and-click Javascript game where you navigate through a haunted mansion.
- Dynamically hide and display panels according to JS events triggered by the player.
- Random encounter feature that can trigger anywhere in the game and requires a specific random input to escape

### AskIt

April-July 2022

[github.com/JomanDiec/popcorn-robot/tree/master/ask\\_it](https://github.com/JomanDiec/popcorn-robot/tree/master/ask_it)

- Python-based mockup version of Reddit where users can ask questions and get responses from other users
- Implemented Django authentication for registering and managing users.
- Created Custom Template Tags to customize template rendering (upvotes).
- Implemented feature where user can upload an image to the server to be included with a post
- Searchable by post title or post content

### Task List

March 2022

[github.com/JomanDiec/popcorn-robot/blob/master/exercises/templates/exercises/task\\_list.html](https://github.com/JomanDiec/popcorn-robot/blob/master/exercises/templates/exercises/task_list.html)

- Python-based HTML app for making to-do lists
- Form that allows user to add tasks and set priority level
- Features that allow user to edit tasks, assign to complete/incomplete list, and delete tasks

### Phone Book

March 2022

[github.com/JomanDiec/popcorn-robot/blob/master/exercises/templates/exercises/phone\\_book.html](https://github.com/JomanDiec/popcorn-robot/blob/master/exercises/templates/exercises/phone_book.html)

- Python-based HTML app for keeping track of contacts
- Form that allows user to add new contact
- Features that allow user to edit, delete, view existing contacts
- Searchable by contact name

## EDUCATION

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### Popcorn Robot University

*Full Stack Web Development*

Ongoing

*Los Angeles, CA*

### Pennsylvania State University

*MS, Biotechnology*

December, 2005

*State College, PA*

### Rutgers University

*BS, Biotechnology*

May, 2003

*New Brunswick, NJ*

## SKILLS & INTERESTS

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Portfolio Page: [jomandiec.github.io](https://jomandiec.github.io)

- **Skills:** *Coding:* Django, Python, HTML5 & CSS3, Javascript, Bootstrap 4, SocketsIO, Git, Asana, Agile Method, AJAX, Docker, Stencil JS, BigCommerce  
*Laboratory:* DNA/amino acid sequence analysis, Electron microscopy (TEM/SEM), Fluorescent microscopy, Fatty acid extraction, Gel electrophoresis (inc. SDS-PAGE), GLP, High throughput screening, FT-IR, Mammalian cell culture, ELISA, Microarray, Monoclonal antibody production, PCR/RT-PCR, Real-time PCR, Plant tissue culture, Recombinant DNA techniques, RNA isolation/purification, Thin layer Chromatography, UV/Vis spectrophotometry, HPLC, LC-MS, Aseptic technique
- **Languages:** Chinese (Cantonese- speaking and reading)
- **Interests:** Board games, Video games, Sci-fi/fantasy, RPG's, Politics, Movies, Anime, Space, Reddit, Food, Trivia