

# VALENCIA STARR

[starrv2011@gmail.com](mailto:starrv2011@gmail.com) | [+1\(347\) 770-6819](tel:+1(347)770-6819) | <https://starrv.github.io> | GitHub: <https://github.com/starrv>

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## TECHNICAL SKILLS

**Languages:** Java, JavaScript, PHP, Python, SQL

**Frontend:** React, HTML, CSS, Bootstrap, jQuery

**Backend:** Node.js, Express, Flask, Spring Boot

**Databases:** MySQL, MongoDB, Oracle

**Cloud:** AWS (Lambda, SNS)

**Tools:** Git, GitHub, Figma, Render

**Other:** REST APIs, Authentication, Full-Stack Development, Android Development

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## PROJECTS

### Animals and Nature (Personal Project)

- Built a full-stack web application using PHP, MySQL, jQuery, and Bootstrap enabling users to create accounts, post discussions, and upload media.
- Developed an admin dashboard using Spring Boot, MongoDB, AWS SNS, AWS Lambda, Okta, and Next.js.
- Implemented authentication, user feedback systems, notifications, and admin analytics tools.

### Let's Chat (Personal Project)

- A Java application that supports a group chat with up to 50 users.
- Used object oriented programming principles and concurrency to build features allowing users to send encrypted messages to all or private to select users.

### Lets Paint (Personal Project)

- Developed a desktop graphics editing application in Java featuring drawing tools, text editing, save/load, print, and undo/redo functionality.
- Applied object-oriented design principles to manage rendering and user interactions.

### Split Cost (Personal Project)

- Designed a web application that determines each person's share of a group dining bill using HTML, CSS, JavaScript, and jQuery.
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## PROFESSIONAL EXPERIENCE

### CUNY College of Staten Island — Adjunct Computer Science Lecturer

*Staten Island, NY | Jul 2025 – Aug 2025* - Built and demonstrated full-stack web applications using HTML, CSS, JavaScript, Express, and Render. - Developed a grade management system with REST APIs and database integration. - Guided debugging, code reviews, and version control workflows using Git and GitHub. - Mentored students on system design and software engineering best practices.

### Flatiron School — Software Engineering Instructor

*New York, NY | Nov 2022 – Sep 2023* - Built a full-stack course management system using React, Flask, and role-based authentication. - Developed interactive web applications and backend APIs to support dynamic user experiences. - Taught version control, Git workflows, and collaborative development practices. -

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Assisted with debugging, system design, and resolving merge conflicts in team environments. - Created and maintained GitHub repositories with project templates and deployment examples.

## The Knowledge House — Technical Instructor

*Bronx, NY | Jun 2025 – Aug 2025, Jul 2019 – Feb 2020* - Designed and prototyped application interfaces using Figma prior to development. - Developed responsive web applications using HTML, CSS, JavaScript, and Bootstrap. - Built interactive applications to demonstrate front-end and full-stack concepts. - Guided students through application deployment and presentation workflows.

## The Knowledge House — Web/Android Developer Intern

*Bronx, NY | Apr 2019 – Dec 2019* - Developed and deployed an Android application used by 1,000+ farmers to track and visualize crop data. - Implemented user authentication including account creation, login, and session management. - Integrated REST APIs to deliver user-specific data and analytics. - Built Node.js-based web interfaces for enrollment and event management.

## Revature — Software Developer Intern

*Reston, VA | Jul 2016 – Aug 2016* - Developed an employment reimbursement system using Java, JavaScript, Bootstrap, and Oracle DB. - Built workflows supporting 500+ employees and 100+ managers. - Designed backend logic and database queries for processing reimbursement requests.

## CUNY City College (LSAMP) — Full-Stack Developer Intern

*New York, NY | Sep 2014 – Jan 2015* - Developed full-stack features using PHP, MySQL, HTML, CSS, and jQuery. - Implemented forms, search functionality, and automated email notifications. - Built administrative tools for managing applications and communications.

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## EDUCATION

**CUNY Lehman College** — Bachelor of Science in Computer Science  
Bronx, NY | May 2015 | GPA: 3.8

**Union College** — Bachelor of Science in Mathematics  
Schenectady, NY | Jun 2009