VALENCIA STARR

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PROFESSIONAL EXPERIENCE

The Knowledge House, *Technical Instructor (contract)*, Bronx, N.Y., (07/2019-02/2020 , 06/2025-08/2025 , 05/2026-08/2026)
- Illustrated web design to students by using Figma to create mockups enabling students to create mockups for their projects.
- Demonstrated front-end development to students by creating a visual novel using **HTML**, **CSS**, and **JavaScript** resulting in 60+ high schoolers building their own personal web applications.
- Taught high schoolers responsive web development by creating a simple layout using **Bootstrap** for use in projects resulting in high schoolers creating their own responsive web applications.

CUNY College of Staten Island, *Computer Science Instructor, Adjunct Lecturer (contract)*, Staten Island, N.Y., 07/2025-08/2025
- Directed students in building user interfaces with **HTML**, **CSS**, **JavaScript**, and the **Fetch API** by providing code-alongs.
- Ensured student project completion by helping with debugging and providing feedback leading to 100% project completion rate.
- Illustrated full-stack development by building and deploying a grade tracking system inspiring students to pursue further study.

Flatiron School, *Software Engineering Instructor,* New York, N.Y., 11/2022-09/2023
- Demonstrated full-stack development to students by building and deploying a course management system using **React**, **Flask**, **Render**, **Git**, and **GitHub** resulting in the successful completion of capstone projects.
- Managed projects using **Git** and **GitHub** exemplifying to students version control, project management, and deployment.
- Ensured the completion of group and capstone projects by helping with system design, debugging, and merge conflicts.

The Knowledge House, **Change Food for Good (contract)**, *Web/Android Developer Intern*, Bronx, N.Y., 04/2019-12/2019
- Designed and deployed an **Android** application scaled to support 1,000+ users where farmers could view real-time crop data.
- Added account creation, login, logout features, and fetched data from appropriate **API** endpoints so farmers could exclusively see data pertaining to their crops.
- Used **Node.js** to build user interfaces where participants could enroll into training, sign up for events, or host events.

Revature, *Software Developer Intern*, Reston, V.A., 07/2016-08/2016
- Utilized **Java**, **JavaScript**, **Bootstrap**, and **Oracle DBMS** to build an employment reimbursement system scaled to support 500+ users where employees could submit requests for reimbursements.
- The system allowed managers to approve or deny reimbursement requests.
- Built a **Java** library for a team that could be implemented in applications to add features allowing for the sending of email.

CUNY City College (LSAMP), *Full-Stack Developer Intern*, New York, N.Y., 09/2014-01/2015
- Exercised **PHP**, **MySQL**, **HTML**, **CSS**, and **jQuery** to add forms, search, and email functionality to a web application scaled to support 500+ users where students could apply for research.
- Developed plugins where administrators could send broadcast emails and search for applications.
- Provided a workshop promoting the launch of the application.

PROJECTS

Animals and Nature, *Personal Project* (https://github.com/starrv/animals-and-nature)
- Used **PHP**, **jQuery**, **Bootstrap**, and **MySQL** to build a message board for animal enthusiasts scaled to support 1,000+ users.
- Built features where users upon logging in could create threads where they could engage in discussions.
- Exercised **Spring Boot**, **MongoDB**, **AWS SNS**, **AWS Lambda**, **Okta**, and **Next.js** to build an administrator dashboard.

Let's Chat, *Personal Project* (https://github.com/starrv/ChatClient)
- Utilized **Java** to develop an instant messaging application that concurrently supports up to 50 users.
- Developed features allowing users to send messages to all participants or private to specified participants.
- Built features where all messages are encrypted using a self-designed encryption algorithm before being transmitted.

Lets Paint, *Personal Project* (https://github.com/starrv/paint)
- Employed **Java** to create a graphics editing program where one could create, edit, and print vector images.
- Built create, save, print, undo, redo, and delete features where users could draw, paint, and add text in various colors and fonts.
- Added audio playback features.

EDUCATION

CUNY Lehman College, Bachelor of Science in Computer Science, Bronx, N.Y., GPA: 3.8, 05/2015

Union College, Bachelor of Science in Mathematics, Schenectady, N.Y., 06/2009