

Kameko Duplessy

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Software Engineer

Passionate software engineer with a strong foundation in coding and software development. Equipped with a solid foundation in coding and programming concepts, with proficiency in languages like Python, Java, and C++. Knowledgeable in front-end and back-end technologies, eager to further develop skills in creating intuitive user interfaces and robust server-side applications. Knack for identifying and resolving technical issues to ensure optimal software performance. Aptitude for software testing and quality assurance processes to ensure delivery of robust and error-free software solutions. Possesses robust technical proficiencies in C++, Python, HTML, CSS, Linux, Vim, and Emacs.

Academic Highlights

Bachelor of Science in Computer Science, Fordham University, Bronx, NY

In-progress

- Developing expertise in algorithm design and analysis to optimize solutions and tackle computational challenges.
- Collaborating on group projects and contributing to multidisciplinary teams, mirroring real-world industry practices.
- Acquiring strong foundation in programming languages such as Python, Java, and C++, enabling to development of complex software applications and algorithms with precision.
- Gaining hands-on experience in designing and managing databases for efficient data storage and retrieval.
- Mastering entire software development lifecycle, from requirements gathering and system design to testing and deployment for comprehensive understanding of software engineering principles.

Career Experience

Iona College, New Rochelle, NY

2021 – 2022

Research Assistant

- Performed thorough literature reviews to gather relevant background information, identify research gaps, and support project development. Collected, organized, and analyzed data to facilitate data-driven insights for ongoing research projects. Maintained laboratory equipment, ensured safe working environment, and managed inventory to support smooth daily operations.
- Developed programs to analyze glutamate molecules in diverse conditions, utilizing software tools like Linux and Vim.
- Invested approximately 10 hours weekly to acquire in-depth knowledge of molecules under assessment.

Yonkers Partners In Education, Yonkers, NY

2019 – 2022

Regeneron Science Research

- Engaged with Yonkers Partners in Education and Regeneron to investigate racial discrimination in diagnosis of type 2 diabetes.
- Ensured meticulous documentation of experimental procedures, data, and results, adhering to rigorous research standards and facilitating reproducibility and peer review.
- Employed advanced Excel skills to design and analyze comprehensive spreadsheets, dissecting CDC's 2017-2018 data on diabetes diagnosis by factors such as race, age, and gender.
- Created and presented a compelling research poster at an annual symposium, communicating findings and insights related to diabetes diagnosis and racial disparities.

Additional Experience as **Intern**, Stanford University GSE Summer Program | **LITE Technical Assistant**, Fordham LITE Center, Bronx, NY | **Barista**, Cafe Lami, Barista, Yonkers, NY

Key Projects

NLP ChatBot, Bronx, NY

2023 – Present

- Created mental health chatbot by integrating spaCy and nlohmann/JSON for empathetic support and positive mental well-being impact.

Personal Website, Bronx, NY | [Link](#)

2023

- Developed a personal website utilizing HTML and CSS, showcasing skills in web design and front-end development.

TicTacToe, Bronx, NY

2023

- Designed and programmed fully functional Tic Tac Toe game using C++ for software development, logic, and algorithm implementation.

Education & Professional Development

Bachelor of Science in Computer Science | Fordham University, Bronx, NY

Computer Science Society: Marketing Director, Bronx, NY | YPIE Ambassador | Scholar, Yonkers, NY