

NGUYEN CUU NGUYEN (IRIS NGUYEN)

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EDUCATION

Pace University, Dyson College of Arts & Sciences

New York, NY

Bachelor of Arts (BA) in Computer Science and Philosophy | **Concentration:** Software Engineering | **Minor:** Psychology

May 2021

Honors: Pforzheimer Honors College | Summa Cum Laude | Dean's List | **GPA:** 3.94

RELEVANT COURSEWORK

Computer Network & the Internet | Operation System and Architecture CS371 | Design Thinking & Innovation | Computer Organization CS232 | Computer Programming I & II | Data Structures & Algorithms | Statistics for Computer Science | Calculus I & II

TECHNICAL SKILLS

Programming Languages: C, Java, Python, JavaScript, Typescript, Bash, Assembly x86, RESTful API, yaml

Tools: OpenAI ChatGPT API, Linux, Git, JUnit, VMWare, QGIS, Google Analytics, Salesforce Datorama

Cloud: AWS, Google Cloud

App Development/ Frameworks: HTML, CSS, JQuery, React, Redux, Django

Data: Hadoop MapReduce, MySQL

INDUSTRY EXPERIENCE

Nagarro - Associate Consultant II: Computer Systems Engineer

August 2021 – Present

- Design, develop, and A/B test Content Recommendation Engine with Push/pull email notification in AWS.
- Manage a Global Knowledge Hub – a heatmap application to track global vaccine sentiment and gain Customer Intelligence insights using AWS, ML, CI-CD. Support its delivery and AWS migration that shows 24 GB real time global sentiment of 3 different vaccines, dashboard analytics, and Google trend widget, using SVM ML model and lexicon-based analytics.
- Develop back-end, collaborate with a global team and support the release of content tagging application on AWS.
- Develop and test Social Map and Pinterest Connector apps for Salesforce Datorama.
- Perform as business analyst and project manager for SAP Ariba - Decideware Integration to automate Purchase Order creation.

Nagarro - Computer System Engineer Intern

May 2021 – August 2021

- Develop a serverless Alexa application to record and persist users' data with secure and scalable back-end framework, via AWS Lambda, CloudWatch, DynamoDB, S3, API Gateway, CloudFront and Cognito with Python, JS, HTML, and CSS, following Agile project management and Scrum methodology.
- Develop Back-end for Merck's Content Tagging Automation Project (CTAP), create Jira SDLC documentation, CloudFormation automatic deployment templates, create automatic tests for API Gateway endpoints.

RESEARCH EXPERIENCE

Pace University, Seidenberg School of CS&IS, New York, NY, Teaching Assistant

January 2021 – May 2021

- Lead weekly 45-minute review class and help 25 students one-on-one with projects, labs, and homework for 10 hours/week

BetrFS Derange – Optimize File system Big Data project

October 2020 – May 2021

- Collaborate in a cross-campus team to optimize a transactional database using Derange messages to process big data in batches.
- Write Python scripts to scrape websites and automate, run benchmark tests on Hadoop and Fuse-HDFS on Google Cloud to compare their performance to our TokuFS with Derange message with respect to Disk I/O access.

Consultant Data Research and Analysis (Future Innovators Career Accelerator Program)

September 2019 – January 2020

- Research, analyze data, and consult CommonAlly on political data collection and implementation strategies.
- Collaborate with team to scrape data from political database, perform statistical analysis, report on web content and business intelligence for various demographics, increase traffic for client by 15%.

Smart Beginnings, NYU School of Medicine - Research Assistant

September 2018 – December 2018

- Support interviews both in pediatric primary care visit at Bellevue Hospital and in home-based environment of low-income families in the Bronx.
- Prepared materials for assessments, video coding; transcribing; assistance with administrative tasks and other operational aspects of study.

Toy Survey, Pace University, PsyDev Lab - Research Assistant

September 2018 – May 2019

- Examine the landscape of toys marketed to infants to prevent exploitation based on the pursuit of a "brainy baby."
- Elect major and diverse national retailers (e.g., Buy Buy Baby, Toys' R Us, Good Housekeeping, Target, and Walmart) and examine variables such as price, gender-based marketing, electronic vs traditional, educational marketing, and primary developmental domains (i.e., physical, cognitive, or social)

- Collect information on toys marketed for infants 6 to 12 months and 12 to 24 months across different socioeconomic status groups.
- Present the poster and findings at Eastern Psychological Association in February 2019 and Pace University's Undergraduate Research and Creative Inquiry in April 2019.

Blue Colab - [BlueCoLab](#), GIS Engineering Team Lead

September 2020 – January 2021

- Manage and develop an interactive map-making project using QGIS, to visualize real-time data of Choate pond's water quality using Xylem sensors.
- Storytelling with data both in visual and sonic forms for a wide range of audiences.

ACTIVITIES | AWARDS

Generation Citizen's Pace University Chapter: Student Leadership Board in Research (February 2018 – Present)

Peace Action's Pace University Chapter New York, NY: *E-Board member* (February 2018 – Present)

Alpha Lambda Delta, National Honor Society: *Member* (February 2018 – Present)

From Refugee Camp to Project: A Cambodian Lullaby: *Dancer* (March – May 2016)

National Art Society: *Member*

Singapore Youth Environmental Summit: *Representative of the Vietnam team* (January – February 2015)

Da Nang city's piano competition "Nhưng Not Nhạc Xanh": *Gold medal* (2013)

National Excellent Student Olympic Contest: *First Prize* (2013)