

Chloe Soh-Young Park

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EDUCATION

Rice University | George R. Brown School of Engineering

Bachelor of Science in Computer Science | GPA: 3.90/4.00

Relevant Courses: Computational Thinking, Algorithmic Thinking, Linear Algebra, Sciences of AI

National Cathedral School (NCS)

High School Diploma | Member of Cum Laude Society | GPA: 4.00/4.00 (Unweighted)

Houston, TX

August 2023 – June 2027

Washington D.C.

September 2019 – June 2023

TECHNICAL SKILLS, CERTIFICATIONS, AND AWARDS

Skills: JAVA, Python, C#, SQL, JavaScript, Typescript, Unity, React.js, Node.js

Certification Courses: Unity Certified User – Programmer

Awards: NCS Computer Science Award, D.C. CyberPatriot Champions, Valedictorian

PROJECTS

Houston Ballet Nutcracker Market App — React.js, Node.js, MySQL

RiceApps Project Designed to Enhance the Nutcracker Market Experience

- Employ the **SDK MappedIn** along with **React.js** to create the **front-end** for the accessible, interactive map and website of the **300-plus** vendors present at the event
- Create a SMS notification system with **Twilio** and **Node.js** for **100,000+** users

Houston, TX

September 2023 – Present

Fusing South Korea's Cultural Games with the Digital World 🎮 — C#, Unity, Procreate, Blender

An Independent Study, Grounded in the Unity Platform

- Provided an accessible lens into Korean culture through an end-to-end engineering process for the **600 students** at National Cathedral School with an Asian body of less than **14%**
- Utilized **Unity** to digitize, in 2D and 3D, three traditional Korean games: Tuho, Yutnori, and Dalgona
- Incorporated self-created graphics through **Procreate** (2D) and **Blender** (3D)

Washington, DC

August 2022 – January 2023

EXPERIENCES

Nao Now Software Engineer Intern — JavaScript, React.js

Software Engineer Intern at Nao Now

- Design and develop the front-end and back-end for the Nao Now website using **JavaScript** and **React.js** for its **2000+** users and **100+** mentors
- Implement and optimize Nao Now's landing pages for improved user engagement

Reston, VA

June 2024 – Present

ML Research Assistant — TensorFlow, PyTorch, Pandas, SciPy

ML Research Assistant at Dr. Yamagami's Lab for the Development of Personalized Human Machine Interfaces

- Conducted a PCA and T-SNE analysis through **Pandas**, **NumPy**, and **SciPy** on a collected dataset to study the personalized upper-body gestures of people with limited movement
- Implements subspace clustering using **Matplotlib** to efficiently categorize a new user's gesture in order to determine which algorithm provides optimal data visualization
- Longer term project involves developing a cluster-based personalized federated learning algorithm and validating performance in a real-time user study

Houston, TX

January 2024 – Present

Math Intutorly Tutor

- Educates low-income elementary school students in Math and English who experienced economic hardship, especially from the COVID-19 pandemic

Vienna, VA

August 2020 – Present

Engage Healthcare Business Services Systems Analyst Intern – MySQL

- Stored data in self-made schemas (databases) and revised software through **Python** reconfiguration
- Primarily utilized the **MySQL** Workbench visual platform

Vienna, VA

May 2022 – August 2022

ACTIVITIES

RiceApps (< 5% Acceptance Rate)

Full Stack Developer

- Develops impactful web applications and software solutions for nonprofits in Houston
- Collaborates with a team of designers and coders, four hours every week, as a full stack developer

Houston, TX

September 2023 – Present

Rice CSters

Underclassmen Rep

- Selected as one of two representatives to coordinate events and extend professional opportunities specific to underclassmen
- Fosters a tight-knit, empowering community of women who are passionate about Computer Science

Houston, TX

September 2023 – Present

Rice Augmented Reality/Virtual Reality (AR/VR) Club

Software Lead

- Provides hands-on mentorship to students during *Unity* workshops and projects

Houston, TX

September 2023 – Present