Seyoung Ree
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EDUCATION

Columbia University, *New York, NY*   Expected: 2025
Bachelor of Science – Computer Science (intended)
- Relevant Coursework: Data Structures, Intro to Computing for Engineers; GPA: 3.81

Notre Dame Academy, *Toledo, OH*   2021
- Bowling Green State University Coursework: Intermediate Programming, Computer Organization, Linear Algebra, Discrete Math, and Principles of Probability and Statistics; GPA: 4.717

AWARDS/HONORS

OSDA State Qualifier in Debate, 2018 & 2020; AP Scholar with Distinction, 2020*;* 3rd place at High School I/O, Hackathon for High Schooler, Ohio State University, 2020; National Merit Commended Scholar, 2020

EXPERIENCE

Google Computer Science Summer Institute, *Student*   Summer 2021
- Chosen for a computer science training program for led by Google engineers
- Completed 4 team projects using JavaScript, HTML/CSS, and Firebase Storage and Authentication

Bowling Green State University RNA Bioinformatics Group, *Research Assistant*   2020- 2021
- Wrote Python code to cluster RNA loops into motif groups by finding maximal cliques
- Researched electron-transfer networks in ribosomal proteins, by extracting data using Python
- Presented poster as 1st author

GirlsWhoCode Wood County Public Library Chapter, *Founder/President*   2020-2021
- Founded chapter at local library and recruited high school girls
- Led and completed 3 group projects using Scratch and Python

NASA Stem Enhancement in Earth Science High School Internship, *Intern*   Summer 2020
- Developed a mathematical model to predict mosquito habitats with satellite imagery, which was implemented using Python
- Selected as finalist of 14 out of 39 teams for presentation

SKILLS & INTERESTS

Languages: Java, C++, Python, JavaScript, HTML, CSS, Matlab
Technologies & Frameworks: Firebase, Google Cloud Storage, Google Cloud Platform, Flask, Dash, Microsoft Word/Excel/PowerPoint
Volunteering: Teaching STEM programs to children at local library, 2019-20; Tutoring peers, 2017-21; Teaching coding to 3rd and 4th graders in Connect(Ed) coding organization, 2018-2019
Music: 10+ years piano, Notre Dame Orchestra, Royal Conservatory Piano Exams levels 2,4,5 First-class Honors

PROJECTS

Engineers Without Borders – Morocco, Columbia University Chapter   September 2021-current
- Part of the Water Quality Sub-team to improve water quality and access for Ait Bayoud, Morocco
- Helped design a slow sand filter and analyzed water quality test data

Tap-Contacts: August 2021
- A PWA where users can store their contacts in a cloud service and share all contact information at once by using a location feature (tap-contacts.web.app)