**­DYLAN J ROSE**

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**EDUCATION**

**Columbia University,** *Fu Foundation School of Engineering and Applied Mathematics* New York, NY

Bachelor of Science in Computer Science, Minor in Industrial Engineering, GPA 3.7, CS GPA 4.0 Expected Spring 2024

Dean’s List (Spring 2021, Fall 2021, Spring 2022)

*Relevant Coursework:* Advanced Programming, Data Structures in Java, Fundamentals of Computing Systems

**Latin School of Chicago,** *High School* Chicago, IL

High School Diploma Spring 2020

*Relevant Coursework:* Algorithms and Data structures, NAND to Tetris, 7 Languages in 7 weeks

**PROFESSIONAL EXPERIENCE**

**Kodex - ENS Domain Marketplace Startup** Chicago, IL

*Full Stack Software Development Intern*  Summer 2022

* Assisted in the launch and upkeep of the website by developing and maintaining code across the platform
* Worked collaboratively with a small group of software developers remotely on complex projects
* Quickly learned about and adapted to projects, often returning a useful and accurate solution within a day

**Chicago Yacht Club** Chicago, IL

*Dock Hand and Tender Driver*  Summer 2021

* Provided customer service to 100+ members including docking assistance, food and beverage sales, and reservation management
* Managed and maintained club’s fleet of boats and organized reservations for dock and boat essentials
* Operated tender boat to transport members to and from the dock

**SOFTWARE PROJECTS**

**Latin High School Project: Activity Selection Algorithm** Fall 2019

* Developed an algorithmic solution to a real world ranked choice selection problem
* Explored a wide variety of approaches, from proven methods to a genetic algorithm
* Gained experience using version control and teamwork on a large collaborative project

**Latin High School Project: Chess AI** Fall 2018

* Developed a game with a GUI and AI in Java
* Developed chess game from scratch with an emphasis on using object-oriented programming
* Implemented a Min/Max algorithm with optimizations to allow for a reasonable runtime

**Latin High School Project: Alarm Clock Pillow** Winter 2018

* Designed an alarm clock pillowcase using an Arduino, LED’s, and buzzers from scratch
* Wrote C code to keep track of time using an on-board clock
* Expanded debugging skills solving nuanced issues with hardware, string wires, and software

**LEADERSHIP EXPERIENCE**

**Columbia University, NCAA Division I Varsity Heavyweight Crew Team** New York, NY

*Student-Athlete* Fall 2020 - Present

* Dedicate 20+ hours per week to practice, conditioning, competition, and team events while balancing a full academic course load
* Developed teamwork and leadership skills
* Daily improvements on understanding and expanding limits, both physically and mentally
* Intercollegiate Rowing Coaches Association Scholar-Athlete (Spring 2022)

**USRowing Junior National Team High-Performance Camp** Ashland, OR

*Summer Rowing Development Program* Summer 2017, 2018

* Trained 2-3 times daily with the Junior National Team High-Performance Camp, placing 3rd at the Summer National Championship
* Developed skills maintaining personal balance and strong teamwork in a high stress environment
* Applied these skills to help my club team later place 1st out of 85 at the Head of the Hooch regatta in 2019

**SKILLS AND INTERESTS**

* Certified private pilot with tailwheel certification
* Member of Columbia Space Initiative
* Activities/Interests: Skiing, Sailing, SCUBA, Rubik’s Cubes, Puzzles, Aviation, Off-roading, Hiking
* Programming Languages: *Fluent:* Python, C, Java; *Some Experience:* C++, SQL, Linux Scripting, GraphQL, Haskell, Ruby, Io, Prolog, Scalla, Clojure