Thomas C. **Bird**

COMPUTER SCIENTIST · TROY, NY

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Education

Rensselaer Polytechnic Institute   *Troy, New York*

B.S. IN COMPUTER SCIENCE   *Sep. 2021 - May 2025*

- *3.4* Major GPA; Rensselaer Leadership Scholarship; applied with *1540* SAT (*790*M, *750*E)
- Relevant Coursework: *Data Structures; Algorithms; Computer Organizations; Discrete Math; Multi-variable Calculus; Differential Equations*

Experience

Greek Row   *Troy, NY*

PUBLIC RELATIONS MANAGER   *2022-Now*

- Managed media and social accounts in order to enhance the portrayal of my fraternity, Lambda Chi Alpha.
- Created and designed a number of graphics and visual designs for event publicity and awareness.

Student Government   *San Rafael, California*

CLASS PRESIDENT 2017-2019 & ALL SCHOOL PRESIDENT 2020   *2017-2020*

- Ran campaigns and was elected Class President three years in a row, later elected All School President.
- Managed various scholastic & social activities and gave speeches to the entire student body on several occasions.

Varsity Sailing   *Tiburon, California*

TEAM CAPTAIN   *2017-2020*

- Reinstated my high school's sailing team. Promoted the team to gain new members. Captained the sailing team for three years. Led teammates in various regattas across the California coast while managing fares and boat charters.

Projects

Rundom   *Troy, NY*

PROJECT LEADER & SOFTWARE DESIGNER   *Sep. 2022-Now*

- Lead development on an iOS application programmed in *Swift* with *Swift UI*, integrated location features with *Apple Maps API*, connected online features to an updating database via *Firebase*.

Birdev   *Troy, NY*

FRONT-END DEVELOPER& DESIGNER   *Sep. 2022*

- Programmed and stylized my personal web-page with *HTML, CSS,* and *JavaScript* viewable at "birdev.net".

C Compiler   *Troy, NY*

PROGRAM DEVELOPER   *Mar. 2022*

- Wrote a basic compiler in *C* that processes and converts basic *C* code to *MIPS* instructions for *Assembly*.

Distance Field Generator   *Troy, NY*

PROGRAM DEVELOPER   *Dec. 2021*

- Developed in *C++*, utilizing a priority queue to generate heat maps around certain pixels of a .ppm image file.

Astromath   *Troy, NY*

SOFTWARE DESIGNER   *Nov. 2021*

- Developed a web-game with *HTML, CSS, JavaScript,* and *Python*, integrated updating leader board with *SQL*. Completed within 24-hours.

Honors & Achievements

2022   **Rensselaer Leadership Award,** Rensselaer Polytechnic Institute   *Troy, NY*
2020   **AP Scholar with Honor,** The College Board   *Jackson Hole, WY*

Skills

Technical: *C++; C; Java; Python; Swift; Assembly; HTML; CSS; JavaScript; LaTeX; Git; Firebase*