

Charles (Charlie) SOWERBY

ADDRESS: 5726 S. Dorchester, Chicago, IL
PHONE: (773)-698-1449
EMAIL: charlie.sowerby@gmail.com
WEBSITE: charliesowerby.com

EDUCATION

JUNE 2021 University of California, Los Angeles - Bachelor of Science
(Expected) Majors: Physics & Mathematics
GPA: 3.56/4.00

JUNE 2017 University of Chicago, Laboratory Schools (High School)

RELEVANT COURSEWORK MAJOR GPA: 3.61

Physics	Analytic Mechanics (105 A, B) Electricity and Magnetism (110 A, B) Quantum and Mechanics (115 A, B, C) Thermodynamics (112) Mathematical Methods of Physics (131A)
Mathematics	Multivariable Calculus Linear Algebra (115 AH) Abstract Algebra (110 AH, BH, C) Analysis (131 AH, BH) Differential Geometry (120A)
Computer Science	Intro to Computer Science in C++ (31, 32) Computer Architecture (High School)

WORK AND LEADERSHIP EXPERIENCE

Winter 2020	Undergraduate Grader <i>Physics 131</i> Graded homework assignments for Physics 131, Mathematical Methods in Physics
March-June 2019	Undergraduate Researcher <i>Basic Plasma Science Facility, UCLA</i> Worked during the school year to build and program a Raspberry Pi controlled relay circuit to be used for plasma diagnostics.
<i>Summers</i> 2014-2018	Pool Lifeguard <i>University of Chicago, Ratner Athletic Center</i> Spent summers working as part of a team ensuring patron safety and dealing with both life-threatening and non life-threatening issues.

OTHER SKILLS

Computer Skills	Basic Knowledge: Python, Java, HTML 5 & CSS, Mathematica, Matlab Intermediate Knowledge: C++, L ^A T _E X
Languages	German (Conversational)

AWARDS & HONORS

Undergrad	College Honors Program Deans Honors List
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2017 - Present Fall 2017, Winter 2020
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