

ZEYN SCHWEYK

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Please click below for my engineering and music profiles



EDUCATION

Johns Hopkins University/Peabody Institute, Class of '26
Mechanical Eng., w/ Aerospace emphasis and Robotics/Music minors

Engineering Academy at Dos Pueblos HS, Class of '22
5.0 GPA

Santa Barbara City College, Class of '22
4.0 GPA with two AA degrees in Liberal Arts and Sciences

Music Academy of the West, '17-'18
Collaborative Piano and Masterclasses

EXPERIENCE/PROFICIENCIES

Programming: Python & Publishing Libraries to PyPI
Java
Arduino C++
MATLAB
SQL & SQLite
HTML, CSS & JavaScript
Closed-Loop Feedback Control (PID)
Linux Webserver Setup & Creation
Git & GitHub
Ubuntu & Raspberry Pi OS
Motors, Sensors & Input Devices
Google Apps Script

Engineering: SolidWorks/OnShape
Sketchbook & Photoshop
Lathes, Mills & Band Saw
Laser Cutters & CAM
Soldering & Crimping
Electronics & PCB Schematics

Business: MS Office/Google Suite
Business Operation & Marketing
Event Planning & Coordination
Public & Motivational Speaking
Bookkeeping
WordPress

Music: Classical Piano Performance & Composition

INTERNSHIPS

Workzones, '21
Developed RDBMS & Data Analytics

SB Control Systems, Chemtrol Division, '20
Designed company time-clock system in Python & SQL

BioSB, '19
Worked with Immunohistochemistry Cancer Cell Identifier

UCSB School of Science EEMB Lab, '18
Apprenticed in Bacteria, Virus, & Parasite Research

AP/COLLEGE CLASSES

Physics 1 & 2
Calculus 1 & 2
Computer Science
Data Science
Chemistry
Microeconomics
Finance
Spanish 1 & 2
Ensemble & Chamber Music

AWARDS/ACCOMPLISHMENTS

'22 Riviera Robotics Aerospace Valley Quarterfinalist
'22 Performing Arts Scholarship Foundation of SB Winner
'22 Santa Maria Philharmonic Showcase Winner
'22 SB Education Foundation Scholarship Recipient
'21 SB Youth Symphony Concerto Competition Winner
'21 MTA of CA Music Composition Symposium Award
'21 AP Scholar with Distinction
'21 Riviera Robotics Tidal Tumble Semifinalist
'18 Jr. High Chess Tournament District Winner
'18 Mt. Sac. Cross Country Invitational Finisher
'18 Mock Trial Team County Winner
'17 SB100 60 Mile/Gibraltar Climb Race Finisher
'15 Jr. Black Belt in Martial Arts

MEMBER OF

Riviera Robotics
American Institute of Aeronautics & Astronautics
SB Architectural Foundation Design Program
Phi Theta Kappa Honor Society (University Level)
Spreadsheet Club, Founder & President

COMMUNITY SERVICE (250+ Hrs)

Physics/Calculus Tutor/TA
Teen Court Host & Juror
Computer Lab Setup
Youth Cycling Team Mentor
Classical Piano Teacher
Pianist

HOBBIES

Programming
Classical Music
Improvising & Composing
Brainstorming Business Ideas
Chess
Cycling
Tennis
Table Tennis