

ZEYN SCHWEYK

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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
C++, C# & Visual Studio
Java
MATLAB
SQL & SQLite
HTML, CSS & JavaScript
Linux Webserver Setup & Creation w/ Apache
Socket Programming w/ Client-Server Models
Closed-Loop Feedback Control (PID)
Ubuntu, Raspberry Pi & Arduino
Motors, Sensors & Input Devices
Creating & Deploying Windows Forms Apps
Git, GitLab, GitHub

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

Music: Classical Piano Performance & Composition

INTERNSHIPS

Toyon Research Corporation, '22
Created software for antenna research & testing for defense

Workzones, '21
Developed RDBMS & Data Analytics

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

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

Please click below for my engineering/music profiles:



AP/COLLEGE CLASSES

Physics 1 & 2
Calculus 1, 2, & 3
Computer Science
Data Science
Chemistry
Microeconomics
Foundations of American Enterprise
Spanish 1 & 2
Ensemble & Chamber Music

AWARDS/ACCOMPLISHMENTS

'22 JHU Clark Scholar Member & Recipient
'22 Riviera Robotics Aerospace Valley Quarterfinalist
'22 Performing Arts Scholarship Foundation of SB Winner
'22 Santa Maria Philharmonic Showcase Winner
'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 Mock Trial Team County Winner
'18 Mt. Sac. Cross Country Invitational Finisher
'18 Jr. High Chess Tournament District Winner
'17 SB100 60 Mile/Gibraltar Climb Race Finisher
'15 Jr. Black Belt in Martial Arts

MEMBER OF

Riviera Robotics & FIRST 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