PATRICK LEE F. WALKER

Los Angeles, CA • (805) 766-9005 • pwalker@sandiego.edu • LinkedIn • GitHub

---

Skills:
- Proficient in Java, C, SQL (MySQL), Git, and all Microsoft Office programs
- Experience with Python, HTML5, CSS3, JavaScript, MacOS, Linux and Windows environments
- Languages: English (Fluent), Spanish (Conversational Speaker)

Projects:

Project Matching System, Senior Design Capstone; USD   September 2019 - June 2020
- Design and implement a system that matches senior engineering students to their preferred projects, increasing team cohesion by ~35% and student preference placement by ~30%.
- Provide our sponsor with an accurate, timeless and efficient system, reducing 10+ hours of work to <10 minutes
- Manage a full-time academic schedule in addition to all work requirements and responsibilities

Experience:
Software Engineer Intern, Echo Markets; San Diego, CA   June 2020 - August 2020
- Apply business and software experience to build a commission-free, social, stock trading application. Learn and implement technologies like Django and front-end technologies like Bootstrap, CSS and HTML.

Extracurricular Activities:
Competitor (Regionals), International Collegiate Programming Competition; USD   November 2019
Competitor, The COMAP's (Consortium for Mathematics and Its Applications)
- **Mathematical/Interdisciplinary Contest in Modeling; USD**   March 2020

Member, MathEx; USD   September 2019 - May 2020
- Discussion, collaboration and learning in all topics of mathematics; learning to live the life of a mathematician

Finance Chair, Association for Computing Machinery; USD   September 2018 - May 2020
- Increased interest in the science, design, development, construction, languages, management and application of modern computing
- Created computational models and data visualizations of club finances for presentations to the computer science faculty advisor.

Member, Entrepreneurship Club; USD   September 2017 - May 2020
Member, Residential Hall Council; USD   October 2017 - May 2018
Member, University Ministry; USD   September 2016 - May 2020

Professional Affiliations:
- Kappa Gamma Pi, National Catholic Graduate Honor Society   March 2019 - Present
- Association for Computing Machinery Professional Society   August 2018 - Present
- Member, National Society of Collegiate Scholars   January 2017 - Present

Education:
University of San Diego   **San Diego, CA**
B.S. in Computer Science, Shiley-Marcos School of Engineering | 2021   Major GPA: 4.0
B.A. Mathematics, Minor in Theology & Religious Studies, College of Arts & Sciences | 2020   Overall GPA: 3.62
- Dean's List (Fall 2016, 2017, 2018, 2019; Spring 2019)
- First Honors (Fall 2016, 2017, 2019; Spring 2019) & Second Honors (Fall 2018)

Relevant Coursework:
- **Computer Science**: Senior Project I & II, Algorithms, Data Structures and Algorithms, Database Management Systems Design, Computer Graphics, Object-Oriented Design, Computer Systems, Operating Systems, Web Development
- **Mathematics**: Linear Algebra, Probability, Mathematical Statistics, Applied Probability and Statistics, Calculus I-III, Topology, Real Analysis, Theory of Numbers, Math Problem Solving Seminar, History of Mathematics