Nicole Martindale

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EDUCATION

UC SAN DIEGO
BS in Comp. Science
Expected June 2021 | San Diego, cA
Provost Honors
Eleanor Roosevelt College
GPA: 3.66

LINKS

Github:// **nikiollie**
LinkedIn:// **nicole-martindale**
Portfolium:// **nicole-martindale**

COURSEWORK

UNDERGRADUATE

• Data Structures & Obj-Ori Design (Java)
• Computer Organization & Systms. Prog. (Assembly and C)
• Bldg. & Programming Elct Device
• Engin. Comp. Using MATLAB
• Linear Algebra
• Discrete Mathematics

SKILLS

PROGRAMMING

Java • Python • C • MATLAB
Mathematica • HTML • CSS

SOFTWARE TOOLS

Eclipse • Vim • Unix • Arduino IDE
Solidworks • Autodesk Fusion 360
Altium • XCode

HARDWARE

Raspberry Pi3 • Arduino • Machining
Particle Electron/E-series

AWARDS

- 2017 SWE San Diego Scholarship Award
- National Center for Women and IT Award - 2017 San Diego Winner

CLUBS

- Women in Computing: Member, Competed in Beginner's Coding Competition
- Society of Women Engineers: Mentor for Anita Borg Leadership and Engagement Program (ABLE)

EXPERIENCE

GIRLS WHO CODE @ AUTODESK | Teaching Assistant

June 2018 - Aug 2018 | San Francisco, CA

- Instructed 20 girls during a 7-week intensive summer immersion program in Scratch, Python, C++/Arduino, Javascript and markup languages including HTML and CSS for non-profit organization, Girls Who Code

QUALCOMM INST. CALIT2 PROTOTYPING FACILITY | Lab Intern

Jan 2018 – June 2018 | UCSD

- Design, build, and program research projects and prototype devices for professors, organizations, and the Prototyping Lab.
- Mainly work with software and electrical devices such as Arduino, Particle Electron, transistors, sensors (Ultraound, Photoresistor, Temperature...).
- Use software like Solidworks and Altium

FIRST ROBOTICS TEAM 3647 | Programming Mentor

Nov 2017 – June 2018 | San Diego, CA

- Teach Java to new members and help program the robot (Autonomous, Teleop., Vision)
- Elected to be President during 2016/17 school year, started Casa de Amistad Outreach Program, Build Team 2013-2016

PARITY COMPUTING INC. | Data Science Analyst

Jul 2017 - Sept 2017 | San Diego, CA

- Create training examples for a Machine Learning data science project using tagging/parsing methods
- Manually map each sub-part (org, city, etc.) of the affiliation string into their corresponding tags

PROJECTS

See Portfolium

UCSD HACKXX | TESC and SWE

April 2018 | San Diego, CA

- Built an iOS app called ShoppingCenter@UCSD which acts as an online marketplace allowing students to buy and sell each other's items
- Used Swift and XCode to compete in the 24 hour hackathon with two other team members.

GREETER ROBOT | UCSD Summer Program for Incoming Students (SPIS)

Summer 2017 | San Diego, CA

- Built a "greeter robot" using Python, Raspberry Pi3, servos, ultrasound sensor
- Programmed it to recognize reflective tape and autonomously follow it, then relay a previously recorded message and "wave" using a foam hand connected to a servo

RECYCLING GAME APP | Girls Who Code

Summer 2015 | Los Angeles, CA

- Created a web app using Javascript, HTML, and CSS where the player had to drag an object to the recycle bin or the trash can and receive points for the correct response