

# Raquel Lin

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GitHub: [github.com/whistlerat](https://github.com/whistlerat)

## OBJECTIVE

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To utilize my knowledge and abilities in computer science to improve the user experience with the company as well as build on my own skills by working collaboratively with the team

## TECHNICAL SKILLS

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Software	· Latex	· Ida Pro
	· Bash Terminal (Linux)	· Object Oriented Programming
	· Git/GitHub	· Unity
Languages	· C / C# / C++	· TCL
	· Python	· SQL
	· HTML/CSS	
Relevant Classes	· Logic Design	· Computer Networks
	· Data Structures and Algorithms	· Database Management
	· Cybersecurity	· Automata and Formal Language
	· Operating Systems	· Design and Architecture of Computer Systems
	· Embedded Systems	

## EXPERIENCE

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### **Intern, *Western Digital***

Start: May 2020

- Optimized testing code for testing team by implementing relevant API

End: Sept. 2020

- Sped up deployment of projects by providing support where needed

Start: June 2021

End: Sept. 2021

- Cooperatively worked on multiple projects with assigned mentor

- Refactored trunk code in order to enable better sustainability for company

- Experienced scrum as part of the team
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### **Assistant, *Optec***

Start: May 2018

- Provided administrative assistance to the team by maintaining records

End: Sept. 2018

- Updated survey system to increase productivity

- Lightened support team workload by managing incoming calls and redirecting them to the appropriate responder

- Interacted with customers professionally by phone and email in order to assist with technical issues
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## EDUCATION

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Bachelor of Science, Computer Science

August 2018 – Present

• University of California, Riverside

Graduating June 2022

Cumulative GPA: 3.2

## PROJECTS

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### Haunted House Puzzle Experience

Created stylized haunted house puzzle solving and adventure game using unity for Virtual Reality class. Used Unity Store assets for graphics, created own logic and algorithms for the game. Said logic includes item interaction and basic object physics among other game mechanics.

Full project found at:

[https://github.com/whistlerat/CS135\\_Final-Project](https://github.com/whistlerat/CS135_Final-Project)

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### xv6 Operating System Manipulation

Used open source “xv6” operating system as a base for learning how to manipulate operating systems as a base for learning how to manipulate operating systems. Made adjustments such as changing the type of system scheduler and reorganizing the memory layout of the operating system itself.

Full project found at:

<https://github.com/whistlerat/xv6>

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### Password Crack using md5 Hash

Created a program to crack passwords hashed with md5 through brute force. Written in C and uses OpenSSL library to brute force password hashes.

Full project found at:

<https://github.com/whistlerat/CS165Lab1>

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### CS166 Database Schema

Created a database schema based on a series of requirements provided by the university. Implemented using SQL. Assumptions were made about each specific request in on order to create a schema that execute specific coin testing methodology.

Full Project found at:

<https://github.com/whistlerat/CS166.git>