

# Derek Lin

(916) 833-9234 | [derlin@ucdavis.edu](mailto:derlin@ucdavis.edu) | [www.linkedin.com/in/derek-lin-ucd](https://www.linkedin.com/in/derek-lin-ucd) | [github.com/Derlin8](https://github.com/Derlin8)

## EDUCATION

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**University of California, Davis**  
*Bachelor of Science in Computer Science*

Davis, California  
September 2018 – June 2022

## TECHNICAL SKILLS

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**Programming Languages:** C, C++, Python, Java, HTML5, CSS, Javascript, Git, Bash

**Software:** Microsoft Word, Microsoft Excel, Microsoft Powerpoint, Adobe Photoshop

**Relevant Coursework:** Object-Oriented Programming, Data Structures, Algorithm Implementation and Design

## PROJECTS

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**PizzaButton** | *Python, AWS Lambda, Git, IoT*

- Executes on a Python implemented AWS Lambda function
- Triggers via an AWS IoT button
- Utilizes Dominoes API to order a pizza

**Class Projects** | *C, C++, git, Command line*

- **Uno** - Implemented objected-oriented programming fundamentals such as abstraction, encapsulation, polymorphism, overloaded operators, and inheritance to create a complex, interactive Uno card game with a variety of multifaceted decks and rules
- **B-Tree insertion** - Used object-oriented programming and memory allocation to implement insertion of a new value onto a node of the B-Tree data structure
- **Rent vs. Buy** - Implemented a program that calculates cost of inflation, taxes, and loans for buying a house versus renting an apartment for a set amount of years. Provides multi-year cost-benefit recommendations on whether to buy or rent a house

## EXPERIENCE

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**Division I Cross Country and Track Athlete**  
*University of California, Davis*

September 2018 – Present  
Davis, California

- Participated in 15+ weekly hours of training, conditioning, weights, and mentoring year-round, while competing in the fall and spring seasons
- Mentored fellow teammates and hosted recruiting visits of prospective high school athletes
- Facilitated communication between teammates, coaches, professors, and advisors

**Tofu Salesman**  
*Wa Heng Dou-Fu Corporation*

October 2017 – August 2020  
Stockton, California

- Bagged fresh tofu for customers and calculated costs of soy products in a fast paced environment
- Sanitized and organized booths
- Worked started from 6 to 11 AM every Saturday morning
- Provided customer service and communicated weekly prices to customers

## ACTIVITIES

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**Awards:** 2019 Fall Big West All-Academic, 2018 Varsity Most Valuable Runner in Track and Field, 2020 Dean's List Winter Quarter: College of Letters and Sciences

**Community Service:** Lifetime membership of the California Scholarship Federation from 2015-2018. Completed 120 hours of community service over six semesters at Land Park, McKinley Rose Garden, and Elks Lodge 6, a local retirement home for veterans