Derek Lin

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EDUCATION

University of California, Davis Davis, California
Bachelor of Science in Computer Science *September 2018 – June 2022*

TECHNICAL SKILLS

Technical Skills:: 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

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

Division I Cross Country and Track Athlete September 2018 – Present
University of California, Davis *Davis, California*
- Participated in 15+ weekly hours of training, weights, and conditioning, 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 October 2017 – August 2020
Wa Heng Dou-Fu Corporation *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 on Saturday mornings
- Provided customer service and communicated weekly prices to customers

ACTIVITIES

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