Bell Wu

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CORE COMPETENCIES

- Comfortable using various data structures and graphs, and implementing complex sorting algorithms
- Fluent in Java and Python; Previous projects include tile-based movement game, version of Google Maps, and Scheme Interpreter; Experience in C++, SolidWorks, Git, MySQL, virtual machines
- Proficient in Adobe Creative Cloud Apps: Premiere Pro, Photoshop, Illustrator, Lightroom
- Fluent in English and Mandarin; I love cooking, reading, piano, ultimate frisbee, and filmmaking!

EDUCATION

University of California, **Berkeley**, **College of Letters and Sciences**   August 2017 – Present
- B.A. in Computer Science (expected May 2021); GPA: 3.91/4.00
- Technical Coursework: Data Structures (CS 61B), Designing Information and Devices (EE 16A/B), Discrete Math and Probability Theory (CS 70), Efficient Algorithms and Intractable Problems (CS 170)

WORK AND INTERNSHIP EXPERIENCE

Instructor at **Mathnasium**, Fremont, CA   June 2017 – July 2017; May 2018 – June 2018
- Taught middle and high school students math, ranging from pre-algebra to introductory calculus; worked with them using worksheets and textbooks, leading them through examples and quizzing them

Service Champion at **Taco Bell**, Fremont, CA   June 2017 – July 2017
- Developed communication skills, attentiveness, and other customer service skills as cashier

UCLA Radiology Lab, Department of Health, UCLA   June 2016 – July 2016
- **Software Intern**: Full-stack development on a web application that handles doctor reports and patient information through analysis by natural language processing using Play Framework, MySQL, and GATE (for text engineering)

PROJECTS

Algorithms Project, Python, Gurobi Optimizer
- Used integer linear programming and a greedy algorithm to solve a NP-hard optimization problem

Voice-Controlled Car
- Built a band pass filter and microphone board to receive audio input; used PCA to classify voice commands
- Implemented a closed-loop control system to make the car go forward and turn

Personal Website, Bootstrap, Web
- Focused on unique and interactive design of a basic website

BearMaps, Java
- Implemented A* search algorithm in a mapping application similar to Google Maps

EXTRACURRICULARS

Christians on Campus, UC Berkeley   August 2017 – Present
- **Social Media Chair** and **Photographer**: Coordinate and promote events on club website, Facebook, Instagram; take and compile photos and videos; edit videos for Bible studies and other events; coordinate with and lead groups of 10-12 in Bible studies

CyberPatriot, High School   2015 – 2017
- **Linux Specialist**: Secured Ubuntu systems by finding operating system vulnerabilities
- Competed in the National Youth Cyber Defense Competition organized by the Air Force

Tabletop: The Board Game Club, High School   2016 – 2017
- **President:** Founded and fostered a community for students to play board games and discuss strategies