Yeana Lee Bond

Citizenship & Location: U.S. citizen with no work restriction and willing to relocate
Phone: +1 (661) 779-3327   **Email**: ybond@csub.edu   **Language**: English, Korean, Chinese
LinkedIn: www.linkedin.com/in/yeana-l-bond   **Reference**: Available upon request

Education

2020 – Present	B.Sc., Computer Science, California State University, Bakersfield (CSUB), California, U.S.

- Anticipated Graduation: May 2023 (Current GPA: 3.88)

2018 – 2020	Commercial Music (Certificate Program), Bakersfield College, California, U.S.
2005 – 2009	B.Ed., Adapted Physical Education, Korea National Sport University (KNSU), Seoul, South Korea

Technical Skills

Familiar with: Python, R, C, C++, HTML/CSS, MySQL, Java, Linux, Windows, Microsoft Office Suites
Experience with: Git/GitHub, MacOS, MariaDB, Ruby, Perl, PHP, JavaScript (React JS)

Publications

• **Y. L. Bond**, E. Osornio, S. Ledwell A. C. Cruz and J. A. Woods, "Planar Surface Detection for Small Unmanned Aerial Vehicles Using Structure from Motion," in *American Society for Engineering Education (ASEE) 2023 Annual Conference*, Baltimore, MD, 2023. *In preparation*

• **Y. L. Bond** and A. C. Cruz, "Assisting Telepsychology with Facial Emotion Recognition During the COVID-19 Pandemic Era," in *Third Annual Computer Science Conference for California State University (CSU) Undergraduates*, Seaside, Northridge, CA, 2023. *In preparation*

• **Y. L. Bond**, E. Osornio, S. Ledwell and A. C. Cruz, "Literature Survey on RANSAC and its variant algorithms," in *Third Annual Computer Science Conference for California State University (CSU) Undergraduates*, Seaside, Northridge, CA, 2023. *In preparation*

Projects

In-Cluster Influence Analyzer Using Random Walk Algorithm   *Individual Research*
• Studied Random Walk algorithm, Cluster Performance Evaluation, and Cross-Dataset Validation
• Gave presentation on the concepts of Supervised, Unsupervised, and Reinforcement Learning to suggest an in-cluster influence analyzer and unsupervised feature selection to find the best representative nodes for each cluster

Facial Emotion Recognition (FER)   *Undergraduate Research*
• Researched various Neural Network models to suggest an A.I.-based application to help telespsycologists by providing them with real-time facial recognition data as an additional means of reading their patients' emotional states

Financing for Dummies   *Database Systems*
• Applied Relational Algebra/Calculus to create database using Entity Relationship model in MySQL
• Led implementation of CRUD operations, made MariaDB database server connected to client server via a PHP API, and designed navigation of home, user roles, and contact pages in HTML/CSS

Media Advisor   *Artificial Intelligence*
• Established an expert system that recommends the delivery style of a training program based on the trainee's job by leveraging the axioms of logic and utilizing the Backward Chaining algorithm in Python

Solve & Record Game   *Application Development*
• Created a math quiz game loop with timers and a progress bar to be used in a classroom setting by teachers and students
• Automated scoring and added recording capabilities for students to explain and justify answers to their teacher

The Max Ones Problems   *Artificial Intelligence*
• Designed a program tasked with filling an array with as many ones (1s) as possible using a Genetic Algorithm, a fitness function, and genetic operators in Python

Path Finder for Max Amounts of Coins   *Algorithm Analysis*
• Created a bot that recommends areas of possible paths of a coin collecting robot by showing the total maximum number of coins that the robot can collect while it is passing each optimal route in Python

Matrix Calculator   *Programming Languages*
• Created functions to inspect data to load, identify a square matrix, calculate a value of determinant and cofactor, inverse, nth power, addition, subtraction, and multiplication of matrix in Ruby

Employment History

2022.09 – Present Bakersfield, CA	**Instructional Student Assistant**, *CSU, Bakersfield* Assist in CMPS 2240 Computer Architecture I: Assembly Language Lab Provide advice on how to narrow down possible debugging sections logically and strategically
2022.06 – Present Bakersfield, CA	**Data Engineering and Automation Specialist Intern**, *California Resources Corporation* Transform data for analysis and develop, test, and maintain data pipelines Verify, compare, and update data of various attributes
2017.09 – 2018.11 Bakersfield, CA	**Remote Tech Support Agent**, *Conduent* Resolved more than 10,000 technical problems and non-technical issues Provided remote trouble-shooting services and tech support for mobile phones and personal computing devices
2016.10 – 2017.09 Los Angeles, CA	**Airport Service Associate**, *Calop Aeroground*, *Los Angeles International Airport (LAX)* Offered a full range of airport services: ticketing, ramp, gate, and lounge guest services Utilized a Customer Reservation System to help passengers check in and board flights
2016.07 – 2017.06 Los Angeles, CA	**Bank Teller**, *Hanmi Bank* Verified deposits, processed withdrawals, performed wire transfers, and reviewed all tellers' daily check transactions for record keeping while identifying cross-selling opportunities for bank products and services
2015.08 – 2016.06 Remote/Online	Freelancer, **Localization and Translation Specialist**, *Upwork* Updated product descriptions for kr.iherb.com Assisted building a commercial webpage for freciouscare-kr.weebly.com Voice-acted in Korean commercial for English20 in https://youtu.be/YUY4PVcD72w
2014.07 – 2015.08 Perris, CA	**Knowledge-Based Macro Creator and Customer Service Trainer**, *iHerb* Resolved more than 20,000 customer care incidents via email and phone in English and Korean Assisted phone interviews for Korean bilingual customer service positions and remotely trained new Customer Service Representatives Created knowledge-based macro content for kr.iherb.com/help/contact
2012.03 – 2012.07 Incheon, S. Korea	**Special Education Teacher and Program Coordinator**, *Nongok Middle School* Taught Mathematics, Korean, English, Physical Education, Arts, and life skills Hired and managed class assistants to improve the quality of inclusive education
2010.08 – 2012.02 Incheon, S. Korea	**Transitional and Vocational Education Teacher**, *Incheon Yonil School* Offered middle and high school students Cooking, Gardening, and Manufacturing classes Reported administrative tasks and results of Individualized Education Plans

Leadership

- 2022.09 – Present **Project Lead** (Undergraduate Research Assistant), Senior Project 1, CSUB
- 2022.09 – Present **Vice President**, Society of Women Engineers CSUB Chapter
- 2021.09 – Present **Treasurer**, Software Engineering Club, CSUB

Grants and Awards

2022 Spring Pandemic Research Mini-Grant, *CSUB Pandemic Research Group* · **$500**

2019 National Association of Music Merchants (NAMM) President's Innovation Award for Excellence in the Field of Music, *NAMM* · **$750**

2016 Top Credit Card Seller of the Fourth Quarter, *Hanmi Bank* · **$400**

2015 Employee of the First Quarter, *iHerb* · **$50**

2005 Top Academic Performer of the Second Semester, *Korea National Sport University (KNSU)* · **₩2,700,000**

2005 First Place Winner of Mock Test of English for International Communication, *KNSU* · **₩3,000,000**