EMIKO BELL

Half Moon Bay, CA
emikoelizabethbell@gmail.com
(602) 554-8209
linkedin.com/in/emikobell/
emikobell.github.io

EDUCATION

Mar 2023 – Jun 2023

Hackbright Academy – Remote
- 12-week, accelerated software engineering certificate. Cohort sponsored by Walmart
- Web application project chosen as one of three showcase projects in cohort

Oct 2020 – Sep 2021

University of Oxford – Oxford, England
- Master of Science in Psychological Research, graduated with Distinction
- Thesis: Validating executive function assessments for adolescents in Peru

Aug 2016 – Dec 2019

Biola University – La Mirada, USA
- Bachelor of Arts in Psychology, graduated Summa Cum Laude (GPA 4.0)

Aug 2018 – Dec 2018

University of Oxford – Oxford, England
- Registered visiting student for Fall 2018 term
- Undergraduate Research: Psychotherapy for anxiety and depression in collectivist cultures
- Shadowed eye-tracking experiment for infants in language experiment

RESEARCH AND OTHER EXPERIENCE

Feb 2024 – Current

Developer – University of New Hampshire (via Oxford Global Resources)
- Manage, design, and execute onboarding of 4 departments into Enterprise Service Management system in an institution of 30,000
- Create business and automation tools and analyze descriptive data using Python
- Develop front-end of the USNH Support Website using Bootstrap

Oct 2023 – April 2024

NextGen Professionals Externship – ServiceNow
- ServiceNow externship program focused on systems administration, custom JavaScript scripts (client and server), automation and integration development, and application development

Feb 2022 – Mar 2023

IT Service Management Specialist – Biola University
- Designed and implemented an ITIL 4 framework for service requests, incident management, asset management, and change management in an Agile environment
- Developed and automated business processes to increase efficiency by 25% on all IT services
- Optimized and automated processes using SaaS integrations, creating and consuming RESTful APIs and fully automating previously manual tasks
- Led implementation and system administration for service management platforms

Oct 2020 – Feb 2022

Research Assistant/Developer – University of Oxford
- Developed memory-tracking software to assess neurodegenerative diseases using JavaScript and Python (PsychoPy)
- Submitted ethics application and preregistered analysis plan
- Validated cognitive measures using exploratory and confirmatory factor analyses & multilevel modeling
- Presented significant results to executives in a global research group spanning four countries

Jan 2019 – Jun 2021

Research Assistant – Biola University
- Configured and troubleshot eye-tracking equipment
- Administered experiment and organized data for trauma and culture study
- Prepared body-image study for publication and authored results section
- Ran repeated-measures ANCOVA and data analyses
- Created documentation for running RMANCOVA on SPSS

Jan 2019 – July 2020

Qualitative Study – Independent/Biola University
- Conducted qualitative analysis on the obstacles of psychotherapy in Thailand through the perspective of mental health professionals
- Wrote and presented on results
- Contributed to manuscript for publication

Aug 2016 – July 2020

IT Helpdesk Representative – Biola University
- Supported an organization of 7,300 people with device, classroom, and operating systems technical support, consistently resolving the highest number of tickets per week among tier 1 technicians
- Led technical orientation for 30 faculty and staff and support workers
- Launched and implemented new software and IT service offerings

Jan 2019 – Dec 2019

Statistics Lab Teaching Assistant – Biola University
- Instructed students on statistical concepts using Excel and SPSS
- Graded lab assignments & exams
- Lectured class on quantitative statistical analysis

Jun 2019 – Dec 2019

Summer Undergraduate Research Fellowship & Assistant– University of California, Irvine
- Created study design for cultural validation
- Cleaned data, ran moderation, multiple linear regression, linear regressions, exploratory and confirmatory factor analyses, and Cronbach's alpha on SPSS
- Transcribed interview data
- Presented results at a research symposium

Jan 2018 – May 2018

Experimental Study – Biola University
- Led group research project on the effects of social comparisons and culture on relationship satisfaction
- Handled data analysis (factorial ANOVA)
- Designed experiment, collected data, and presented on results

Aug 2017 – May 2018

Statistics Lecture and Lab Tutor – Biola University
- Tutored statistical concepts for behavioral statistics classes and SPSS
- Held exam review sessions

CERTIFICATIONS & SKILLS

- **Languages:** Python, Java, Javascript, MATLAB, R, SPSS, Windows, Mac OS X, Linux (Ubuntu)
- **Libraries & Frameworks:** Node.js, React, Flask, Bootstrap, Maven, Spring, Selenium, JUnit, PostgreSQL, NoSQL(MongoDB, Firestore), Git, GitHub, Bash, AWS, GCP, Jira, Docker, Psychtoolbox, PsychoPy
- **Human Subjects Research:** CITI Program, 32275877

AWARDS, HONORS, AND ACADEMIC SOCIETIES

Oxford Kobe Scholarship, Full funding for MSc in Psychological Research, 2020-2021

SCIO De Jager Graduate Scholarship, Funding for MSc in Psychological Research, 2020-2021

Emerson Award, Awarded as the outstanding psychology graduate at Biola University, 2019

Epsilon Kappa Epsilon Honor Society, Honor society of Biola University for the top 5% of graduates, 2019

Psi Chi: International Honor Society in Psychology, Member and Biola Chapter Vice President, 2017-2019

Torrey Honors College, Honors college at Biola University for top 10% of students, 2016 - 2019

Graduate Joint Consultative Committee (gJCC) Student Representative, Represented the MSc cohort for academic committee feedback, 2020-2021

Oxford University Psychology Society, Member, 2020-2021

PRESENTATIONS & PUBLICATIONS

Bell, E., Hecht, H., Cervantes, B., Arreola, J., & Borelli, J. (2020, March). *Maternal attachment as a moderator of the association between hope and psychological distress in low-income Latinx adolescents.* Poster session accepted for the biennial meeting of the Society for Research on Adolescents, San Diego.

Onoe, D., Kim, C., Eltiti, S., & **Bell, E.** (2019, August). *"Baa", mass media, & Buddhist counseling: A qualitative study of mental health practices in Thailand.* Poster session presented at the annual meeting of the American Psychological Association, Chicago.

PROJECTS

Wrap App | github.com/emikobell/wrap-app
A single-page web app that shows an OAuth2 authenticated user's historical listening summary of Spotify tracks, artists, and genres. The backend is a custom REST API built with Python, Flask, and PostgreSQL. The frontend is built with Node.js, React JS, and Bootstrap. The app is deployed on a Linux server (Ubuntu) with AWS.

URL Shortener | github.com/emikobell/url-shortener
A command-line interface (CLI) that shortens long URLs by creating a key in a MongoDB database and converting the key to a base62 format. The server is built with Java, Spring Boot, Spring Data (MongoDB), Maven, and Junit (for unit testing). The CLI is built with JavaScript, Node, AJAX, and Inquirer. Both the server and CLI are containerized with Docker.

LinkedIn Job Scraper | github.com/emikobell/li-job-scraper
This tool scrapes LinkedIn job postings using Python, Selenium, and BeautifulSoup. The information gathered is stored in a Google Cloud Firestore database.

Perceptual Gamma Correction Experiment | github.com/emikobell/gammacorrection
A MATLAB and Psychtoolbox greyscale calibration software for presenting psychological stimuli on various displays.