

Felicitimo “Felix” Fuentes IV

mfuentes@berkeley.edu | +1 (650) 248-7903 | <https://www.linkedin.com/in/ffuentes4/> | San Francisco Bay Area, CA

EDUCATION

University of California, Berkeley

Expected: May 2023

Data Science B.A.

Berkeley, CA

Relevant Coursework: Efficient Algorithms and Intractable Problems, Data Engineering, Introduction to Database Systems, Introduction to Artificial Intelligence, Principles & Techniques of Data Science, Probability for Data Science, Discrete Math and Probability Theory, Data Structures, The Structure and Interpretation of Computer Programs

WORK EXPERIENCE

Guidewire Software

June 2022 - Present

Software Engineer Intern

San Mateo, CA

- Implemented Solr, a full-text search platform, to a cloud SaaS. This SaaS manages dozens of industry clients, with database sizes in millions of entries. Personal changes made are in production.
- Utilized in-company frameworks to add UI features and RESTful API. Managed configuration details using DynamoDB.
- Utilized Kubernetes and Docker to manage clusters of hosts for cloud processing. Managed databases in EKS and S3.
- Worked through the full SDLC by making tickets through Jira, processing version control with Git and Bitbucket, and executing CICD in TeamCity.

Feng Cha Teahouse

May 2020 - August 2021

Barista

Newark, CA

- Crafted drinks per branding while preserving a positive, chic atmosphere. Diligently served customers with special accommodations as desired.

PROJECTS

- **RookieDB:** Added support for B+ tree indices, efficient join algorithms, query optimization, multi granularity locking to allow concurrent execution of transactions, and database recovery.
- **Pac-Man:** Applied an array of AI techniques to playing Pac-Man: includes foundational AI concepts, such as informed state-space search, probabilistic inference, and reinforcement learning – underlying real-world application areas such as natural language processing, computer vision, and robotics.

LEADERSHIP EXPERIENCE

Pilipinx Association of Scientists, Architects, and Engineers (Org.)

August 2019 - Present

Internal President

Berkeley, CA

- Administered a support group for Filipino students in STEM fields. This organization represents ~80 active members.
- Coordinated planning committee meetings and student retention events. Oversaw finances and fundraising in excess of \$3,000. Designed clothing merchandise for 30+ members.
- Educated members in weekly meetings about Filipino culture and heritage. Hosted engineering workshops. Distributed weekly newsletters to members. Produced flyers for club events.

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, Javascript, SQL, R, Scheme, C++
- **Frameworks/Technologies:** React, Datadog, AWS DynamoDB, AWS S3, AWS EKS, Spring Boot, MongoDB, Kubernetes, Docker, NumPy, JSX, HTML, CSS
- **SDLC:** Git, Atlassian Bitbucket, GitHub, Atlassian Jira, TeamCity
- **Other Software:** Figma, Adobe Lightroom, Adobe Illustrator, Adobe Photoshop, Adobe Premiere Pro