Gabriel Alzate

(747) 275-6113 \cdot gabrielphilip.alzate@pomona.edu \cdot gpalzate.github.io

Pomona College, Clarem		Expected May 2021
Major: Bachelor's in Comp	outer Science Minor: Mathematics	GPA: 3.92
Languages Tools Relevant coursework	Java 8, Haskell, SQL, Python, C, C++, Bash, Dart, Swift, Hive, Docker, gRPC, Git, UNIX, Vim, LATEX, Hadoop, Flu Cryptography, Software Development, Databases, Operatio Algorithms, Data Structures, Machine Learning, Computer	atter ons Research,
EXPERIENCE		
LinkedIn Corporation Software Engineering Intern		${ m May} \ 2020-{ m Aug} \ 2020 \ Sunnyvale, \ CA \ (remote)$
- •	at allows LinkedIn Learning's (LIL) 17 million enterprise users o encourage consumer-curator interaction	to create personalized branding fo
0	nent detailing my proposed changes to LIL's Espresso databas ne database review committee for its approval	se, evaluated it with 4 backend tech
\cdot Built asynchronous Re the new enterprise bran	st.li API using \mathbf{ParSeq} and $\mathbf{Java}\ 8$ functional programming rading feature	to support CRUD functionality fo
-	gather raw data, spot trends in user profile information, and deng issues that affect more than 10% of users	cide which edge cases are necessary
· Led weekly team synce iterate on product desi	s and bug bashes with frontend engineers, designers, and proc	duct managers to review code and
\cdot Presented my process a	and solution to over 40 LinkedIn Learning engineers as a tech t	alk speaker
Kalibrr, Inc. Software Engineering Inter	n	Jun 2019 – Aug 2019 Manila, Philippines
	esearch on the benefits of using $HTTP/2.0$ -based $gRPC$'s vs line job platform startup in Southeast Asia	8. REST API 's for Kalibrr, a Y
• Engineered gRPC micr ization time and paylos	roservices in Python for Kalibrr's PostgreSQL database while ad size by 50%	ich reduced API response deserial
\cdot Added HTTP/1.x back	ward compatibility by launching 3 Docker ized edge and service	ce proxy servers
· Taught myself Nginx a time by 40%	and \mathbf{Envoy} to optimize these proxy servers by eliminating concur	rrency errors and reducing respons
• Deployed an internal HTTP1 backward-com	${\bf Flutter}{-}{\rm based}$ mobile app in ${\bf Dart}$ that communicates with patible microservices	Kalibrr's first HTTP2-compliant
	uter Science Department CS062 Data Structures CS140 Algorithms)	Jan 2019 – Present Claremont, CA
\cdot Collaborate with and le	ead a team of TA's to tutor 35+ students individually and in s	mall groups
\cdot Conduct 2 weekly men	tor sessions to guide students through assignments and address	s questions about lecture material
\cdot Optimize \mathbf{Java} code fo	r and meticulously grade the assignments of 5-6 students every	week
· Communicate frequent	ly with and report back to professors about students' performa	ance as head TA
PROJECTS		
SageDorms Room Drav	V	Feb 2020 – May 2020
\cdot Created a dorm selection	on web app to replace the in-person room draw system of Pome	ona College

· Wrote the frontend in **Javascript** and backend using Python's **Flask** framework to communicate with a **MySQL** database

Middle Tree Student Sign-in

- \cdot Developed **Bash** scripts to manage the CRM of over 150 students of Middle Tree, a nonprofit education center that provides affordable personalized tutoring
- · Created a sign-in/out page that updates Middle Tree's database for its daily 10-20 students with a median latency of 32ms using React, JQuery, and Google Sheets API

Jan 2019 – May 2019