

CHARLIE KIMMER

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SOFTWARE ENGINEER

Masters of Sciences Graduate (Information Systems) from Santa Clara University, Leavey School of Business, excelling in design, upgrade, and maintenance of ETL pipelines across diverse sectors. Track record in enhancing operational efficiency through innovative software solutions, data visualization dashboards, and top-tier UI development. Detail oriented and responsible, engaging seamlessly with internal teams and external contractors to optimize tool metrics, test data, and productivity metrics.

CORE SKILLS

ETL Pipeline Development & Maintenance • Data Visualization • Dashboard Creation • Interaction Enhancement • Cross-API Orchestration • Cloud Computing (AWS, GCP) • Agile & Lean Startup Methodologies • Data Analysis & Collection
Cross-functional Team Collaboration • Contractor Engagement • Productivity Enhancement • Scrum • Agile (EP/RAD) • OOP

TECHNICAL PROFICIENCIES

Programming Languages: C++, Java, C#, Python, MySQL, JavaScript, PHP, Linux/Apache/Bash, Win Regedit, PostgreSQL
Libraries & Frameworks: Spark, Keras, Pandas, Sklearn, TensorFlow, jQuery, C++14, OpenGL 4.2, Cloud (AWS, GCP)
Tools: Google WebApp, Microsoft Visual Studio++, Unity, Jupyter, Adobe CS, Excel & Sheets Macros & Power Tools

EDUCATION

Master of Science, Information Systems • Santa Clara University, Leavey School of Business, Santa Clara, CA • 2021

- **Coursework:** Java OOP, Database & Warehouse, Big Data, Data Analytics, AI (ML / DL), Business Intelligence, ETL, Financial Accounting, Supply Chain Management, Project Management, and others.

Bachelor of Business Administration, Entrepreneurship • Hult International Business School, San Francisco, CA

NOTABLE HIGHLIGHTS

- Pioneered Dev/Ops tools at Vaco, enhancing productivity for 180+ employees across 10+ teams and automating QA processes.
- Streamlined IT infrastructure at Blumengarten by standardizing 8+ software, securing 18% discount on hardware upgrades.
- Architected custom game engine using C++ / Open GL, and deployed LAMP setup on GCP for immersive multiplayer experiences.
- Mentored four (4) colleagues at Waymo in QA practices, spearheading bi-weekly training sessions for optimal efficiency.

KEY PROJECTS

Project: Game Developer—Flash, Unity, C++ (OpenGL), Modding: Managed development/modification of extensive game mods, demonstrating strong innovation capabilities. Designed/prototyped a flash game; conceptualized three (3) Unity Engine projects.

- Engineered a proprietary game engine in C++ to handle complex city-building simulations, highlighting ability to process vast amounts of data efficiently (Outcome: 250K+ objects processed at ~1000UPS).

Project: Web Design—JS, PHP, CSS, HTML: Conceptualized and executed several web designs, notably a game demo in a LAMP setup on Google Cloud (GCP) that supported multi-user interactions.

- Achieved seamless SQL database integration and user authentication, ensuring a secure and reliable experience for users.
- Spearheaded server-side updates, emphasizing performance optimization and scalability.

Web Programming Project: Developed a cloud-integrated mini MMO demo using LAMP, Ajax, and GCP, enhancing a class project with real-time multiplayer and advanced 2D rendering capabilities.

Data Analytics Project: Analyzed movie studios' performance on Rotten Tomatoes using Python and visualization tools, discovering unique genre and rating trends for studio popularity.

Big Data Project: Implemented a native Hadoop environment on Windows and designed multiple ETL processes with Spark, enhancing data transformation and analysis capabilities.

Deep Learning Project: Engineered an image classifier using Keras-based CNNs, incorporated pre-trained models, and mastered gradient descent mathematics for advanced deep learning applications.

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EXPERIENCE

ENGOPS SENIOR OPERATIONS ASSOCIATE @LYFT • Cognizant, Remote • 2023 - Present

- Implemented SQL dashboard enhancements to enhance data visualization, leading to increased operational efficiency.
- Spearheaded mentorship initiatives by curating and assessing qualification exams for new team members.
- Recognized repetitive queries among offshore case triggers, leading to the design of a mini search engine using Google WebApps, improving query resolution speed.
- Crafted a unique JS integration that enabled cross-referencing across multiple spreadsheets, simplifying data search for 1K+ queries; transformed operational efficiency by introducing SQL dashboard enhancements.
- Engaged with internal teams, playing a pivotal role in tool metrics, test data, and operations productivity improvements.
- Introduced a streamlined system that allowed instantaneous search across multiple spreadsheets, enhancing team productivity.

ENGOPS SENIOR OPERATIONS ASSOCIATE (CONTRACTOR) @UBER • Artech L.L.C., Mountain View, CA • 2022 - 2023

- Oversaw quality control for a team of 40+, further elevating training modules for four (4) Senior Operations Associates.
- Innovatively coded a WebApp using Google Scripts, streamlining search engine indexing across multiple data sources.

SOFTWARE QA (CONTRACTOR) @WAYMO • Foundation L.L.C., Mountain View, CA • 2021 - 2022

- Conceived and developed a search app using JavaScript; subsequently orchestrated training for a focused team of four (4).
- Advocated and introduced pivotal changes in policy and workflow, including SQL filtering, boosting system optimization.

CONTENT REVIEWER (CONTRACTOR), SEARCH ADS @GOOGLE • Waco SF, Sunnyvale, CA • 2018 - 2019

- Revolutionized workload management by automating processes using JS, Google Script, HTML, and CSS; three (3) tools adopted by a dynamic team of six (6).
- Pioneered the development of four (4) instrumental tools, inclusive of a reporting WebApp, adopted by 180+ professionals across 10+ teams; key in QA automation.
- Proposed impactful suggestions to leadership, leading to a refined and enhanced documentation process.

SOFTWARE ENGINEER INTERN (DATA MANAGEMENT) • Silicon Partners, San Francisco, CA • 2018 - 2018

- Upgraded data management processes by designing advanced Excel and Google Sheet reporting tools, leading to more efficient quarterly analyses for business units.
- Mentored and facilitated an entrepreneur's journey, translating ideation into actionable financial projections and business plans using advanced data modeling techniques.

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FAMILY BUSINESS • Self Employed - Brazil, Blumengarten • 2019 - present

Enhanced business operational efficiency in Brazil by innovatively leading tech transformations, including CRM integrations and seamless transitions to advanced systems, across multiple summers.

HONORS & AWARDS

1st Place, Startup Weekend East Bay 2018—Hayward, CA, USA

2nd Place, Hult Hackathon—San Francisco, CA, USA

LANGUAGE

Fluent in Portuguese, proficient in Spanish, and basic knowledge of Japanese and German