

Kevin Loc

Los Angeles, CA • (626) 863-5122 • loc.kevin8@gmail.com • github.com/K-loc • linkedin.com/in/kevin-loc

EXPERIENCE

Amazon

October 2020 – Present

Software Development Engineer - Seattle, WA

- Reduced content metadata search turnaround time by 20% through implementation of Elasticsearch as a metadata querying service used by dozens of Amazon engineers and catalog managers
- Decreased team's monthly operational costs by 15% by deprecating legacy CloudSearch search engine, contributing to team effort of decreasing overall costs by 44%
- Increased organization's potential earnings by creating an XML file generator that aggregates metadata to enable Amazon Kids+ subscription up-sale on Amazon's Prime Video and FireTV
- Improved customer retention and acquisition rate by 24% by introducing new scalable metadata fields to facilitate the Amazon Kids premium content store and Freemium subscription model
- Advised SDE manager and Catalog managers on how to best utilize Elasticsearch engine and how to leverage existing metadata models / develop new metadata models
- Established the infrastructure to store search queries of over 4 million Amazon Kids+ customers to invest in improving the customer's search experience

Siemens Digital Industries Software

June 2019 – September 2019

Software Developer Intern - Cypress, CA

- Assisted 3,000+ companies in the automation of product and manufacturing info tags on 3D assembly models by introducing 7 new C++ constructs into the large-scale application
- Optimized scalability of the massive product by refactoring code through restructuring library content and migrating 23 legacy constructs into a new XML based format
- Prevented future regressions by creating 20+ unit tests which enable automated testing coverage for all new code developed in the fast-paced, international team environment

Moboware Inc

June 2018 – September 2018

IT Support Intern - Tustin, CA

- Reduced the runtime of usage statistic queries by 10% by assisting the backend development team in optimizing Python and SQL database scripts
- Increased company monthly profit margins by 12.8% by performing cloud server builds, configurations, images, and quality assurance checks before shipping the server to worldwide data centers
- Improved customer retention rate by 5% by managing cloud servers through analyzing usage statistics, troubleshooting errors, and resolving system hardware, software, and networking issues

EDUCATION

University of California, Irvine

June 2020

Bachelor of Science in Computer Science

Major GPA – 3.43 | UC GPA – 3.34

- **Awards:** Forbes Under 30 Scholar, Dean's Honor List
- **Courses:** Machine Learning, Data Mining, System Design, Information Retrieval, Data Management
- **Organizations:** ICS Student Council, HackUCI, Lambda Phi Nu, Alpha Phi Omega

TECH SKILLS

- **Confident:** Java, Python, C++
- **Experience:** JavaScript, TypeScript, HTML/XML, CSS, Git, SQL, MongoDB, Google Cloud, Android
- **AWS Stack:** Lambda, DynamoDB, S3, EC2, Simple Queue Service, Simple Notification Service, Glue, Athena, Cloud Development Kit, CloudFormation, CloudWatch, OpenSearch Service (Elastic Search)