

MARISSA TONG

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SKILLS

Technical: AWS Services, Java, Python, C++, Git, SQL, REST APIs, Web Service API, Cloud Computing

Interpersonal: Leadership, Technical Writing, Goal Oriented, Public Speaking, Collaborative Problem Solving, Detail Oriented, Agile Development

EDUCATION

Bachelor of Science in Computer Science and Engineering | University of California Irvine | June 2022

GPA: 3.5

WORK EXPERIENCE

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| Jul 2022-May 2022 | Software Developer Engineer, <i>Amazon, Seattle, WA</i> <ul style="list-style-type: none">Independently owning and driving previous internship project to production to mitigate operational pains in addition to reducing operational costsImplemented and tested ECS Exec for existing services in order to help with debugging future issuesContributed to improving existing code deployment for infrastructure pipelines by implementing additional step to workflow to allow build promotionsAssist in maintaining services offered to customer that utilize various AWS services like SNS, SQS S3, Kinesis, DynamoDB, ECS and CloudFormationPartake in rotational oncall activities and manage code deployment and workflows using team's standard operational procedures |
| Jun 2021-Sept 2021 | Software Developer Engineer Intern, <i>Amazon, Seattle, WA</i> <ul style="list-style-type: none">Designed and implemented new infrastructure, utilizing AWS Lambda, S3 and other internal tools, to construct new workflow for canaries related to internal serviceConstructed new workflow using Java to solve timeout, memory and sortation issues as well as reduce operational costs and pain points for team related to internal serviceIn addition to addressing initial project's concerns, new workflow was implemented to include a new feature of querying and retrieving personal data as a benefit for internal teams to onboard to internal service |
| Jan 2021-Jun 2021 | Embedded Systems Team Member, <i>FSAE Electric Racing At UC Irvine, Irvine, CA</i> <ul style="list-style-type: none">Team member of the embedded systems sub team which dealt with race car's data collectionAssisted in writing embedded software for race car's data collection module to collect and communicate data over use of CAN networkContributed to design decisions that would display data for the driverProvided updates and overview of team's progress during weekly team meetings |

RESEARCH EXPERIENCE

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| Sept 2020-Oct 2021 | Undergraduate Research Assistant, <i>Investigating Virtual Learning Environments, Irvine, CA</i> <ul style="list-style-type: none">Write code using Python to generate given measures for collected data and produce specific location coordinates from provided data using external IP servicesComplete clerical, data coding, data management, and data analysis tasks based off 5 years of collected raw canvas data from UCI studentsMaintain and manage various pieces of code that analyze and inspect canvas dataGeolocate IP addresses to verify the granularity of the collected canvas data relative to UCI campus |
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