

# BRIAN LANE

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Graduated 2018 from College of Science, University of Arizona, Tucson, AZ

Bachelor of Science in Computer Science, Minor in Psychology

## **WORK EXPERIENCE**

**Senior Software Engineer**, Capital One – Prism Team

**June 2022 – Present**

- Improved the data collection for allowlists and filter data thus automating a full day's work
- Assisted with the decommission of our team's applications with documentation and the migration process
- Created self-service portal for internal clients using web backend technologies
- Completed AWS Certified Solutions Architect Training and Certification

**Software Engineer**, Charles Schwab – Human Resource Technology Team

**June 2019 – June 2022**

- Developed Java Spring microservices hosted on Pivotal Cloud Foundry continuously integrated through Bamboo
- Succeeded in New Employee Recruitment & Development Program - Java and Scrum Master Certified
- Integrated into team by working end to end on own application

**Software Engineer**, Honeywell – User Interface & Guidance Team

**August 2018 – June 2019**

- Performed rigorous system-level testing on flight simulators and resulted in gaining aerospace bench knowledge
- Conducted and created code, requirement and design reviews to ensure high quality, bug-free software
- Earned certification in Six Sigma Green Belt Software Development and Design Training

**Research Assistant**, University of Arizona – Computer Science

**January 2018 – May 2018**

- Gained familiarity with biological data and created visualizations based upon these properties
- Advanced algorithms making the scripts for comparison of genomic data 7 times faster
- Researched new methods for parsing data and making comparisons for tools that are used with visualization

**Department Tutor Coordinator**, University of Arizona – Computer Science

**March 2016 – May 2018**

- Lead program by deploying effective tutoring strategies to ensure learning for hundreds of students
- Conducted supplemental instruction sessions on how-to-debug in C using gdb
- Facilitated trainings with tutoring staff to help perfect knowledge on data structures, recursion, and algorithms
- Managed recruitment, tutor allocation for department, and appointed shift leaders

**Teacher Assistant**, University of Arizona – Computer Science

**January 2017 – August 2017**

- Connected students with a developmental understanding of the Unix operating system
- Instructed clarity around Python3 and connecting with SQL databases with sqlite3
- Demonstrated concepts to further learning in Unix topics, including debuggers, Makefile, and shell programming
- Assisted in courses: Essential Computing (Python, bash, SQL), Systems Programming and Unix (bash and C)

Tech: Python, Java, Springboot, AWS, maven, docker, bogie, github, pgAdmin, Splunk, New Relic, scripting, Jenkins