REBEKAH JULICHER

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520-450-1618

SKILLS

LANGUAGES:

- **C -** 4 yrs.
- **Python -** 2 yrs.
- **Java -** 3 yrs.
- **Ruby -** 4 mos.
- **C# -** 1 yr.
- **C++ -** 1 yr.
- **SML -** 4 mos.
- **Javascript -** 4 mos.
- **HTML / CSS -** 3 yrs.
- **MIPS Assembly -** 4 mos.
- **Unix -** 4 mos.

OPERATING SYSTEMS

- **Windows -** 10 yrs.
- **MacOS -** 7 yrs.
- **Linux (Ubuntu, Debian, Mint) -** 3 yrs.

TOOLS:

- **Adobe Photoshop -** 1 yr.
- **Adobe Bridge -** 1 yr.
- **Adobe Illustrator -** 1 yr.
- **Adobe Audition** - 4 mos.
- **Microsoft Office -** 4 yrs.
- **GitHub / Git -** 2 yrs.
- **Gimp -** 1 yr.

EXPERIENCE

RAIN BIRD – ASSOCIATE ENGINEER
May 2022 – Present
Created and maintained internal-use virtual irrigation controller application using existing physical device firmware for the purpose of marketing, localization, and training. Maintained that said application is easily extendible to future uses as web-based virtual controller interfacing with physical controllers for real-world irrigation system control. Assisted in maintenance and updating of firmware for commercial irrigation controllers, maintained current documentation of processes ranging from new firmware flashing/encryption procedure to code functionality.
Assisted with creation of, policy creation for, and extension of company-wide internship program as first official intern, as well as assisting with future intern/employee recruitment efforts on-campus at career fairs.

UNIVERSITY OF ARIZONA – UNDERGRADUATE TEACHING ASSISTANT
January 2022 – December 2022
Assisted in teaching concepts related to Object Oriented Programming – MVC architecture, Agile development, UML diagramming, and implementing various types of interfaces in Java. Assisted in creating assignment specs, grading, and decision-making regarding course specifics and activities, as well as resolving problems with student devices and IDE issues.

TUCSON ELECTRIC POWER - BUSINESS APPLICATIONS INTERN
January 2021 – January 2022
Maintained and updated applications and records within ServiceNow in an Agile environment, created and assigned team member stories for sprints, maintained tracking spreadsheets for application plugin versions, and handled multi-team application recovery statement version tracking and update project.

AMAZON - AWS IOT EDUKIT GRAPHICS ARTIST
November 2020
Created graphics for the Smart Thermostat configuration in the Amazon AWS IoT EduKit.
(https://edukit.workshop.aws/)

FREDDY'S - FRONT-OF-HOUSE TRAINER
July 2019 – September 2020
Performed quick basic arithmetic under fast-paced, high pressure conditions, assisted in performing occasional troubleshooting of register and Windows computer system issues, and trained new employees in various front-of-house positions.

cont.

TOOLS (cont.):

- **Trello** - 4 yrs.
- **CorelDRAW -** 2 yrs.
- **OpenSCAD -** 4 mos.
- **SketchUp -** 4 mos.
- **Procreate** - 2 yrs.
- **Cura Ultimaker -** 4 mos.
- **ServiceNow -** 1 yr.
- **Unity -** 1 yr.
- **Perforce -** 8 mos.
- **Visual Studio -** 1 yr.
- **Visual Studio Code -** 2 yrs.
- **Eclipse -** 3 yrs.

GENERAL SKILLS:

- **Vector graphics -** 3 yrs.
- **Laser manufacturing -** 3 yrs.
- **Rapid prototyping -** 3 yrs.
- **Agile development -** 2 yrs.

ACADEMIC AWARDS:

- **Department of Computer Science - Outstanding Senior**
  University of Arizona, Fall 2022

- **Department of Religious Studies & Classics - Special Achievement in Elementary Latin**
  University of Arizona, Spring 2020

VEX ROBOTICS
August 2012 – May 2017
Programmed autonomous code and robot-driver interfaces using C in a fast-paced, competitive setting. Wrote and organized documentation of the building and programming process.

VECTOR GRAPHICS ARTIST/CLASS 4 CNC LASER OPERATOR
September 2017 - Present
Self-employed. Designed and manufactured custom laser engraved/cut items both individually and in bulk. Created, organized, and managed delivery and payment for order invoices.

EDUCATION

ASSOCIATE OF SCIENCE
Central Arizona College
Dual-enrollment student, finished both a high school diploma and an Associate of Science degree simultaneously in May of 2019 with a GPA of 3.93.

BACHELOR OF COMPUTER SCIENCE
MINOR IN INFORMATION SCIENCE, TECHNOLOGY, AND ART (ISTA)
University of Arizona
Graduated December of 2022 with a GPA of 3.868

SOME RECENT PROJECTS

MORE DETAILS AND PHOTOS/VIDEOS AVAILABLE ON REQUEST

ULTRASONIC RADAR OCTOPUS
Arduino Uno
Designed, assembled, and coded an LED edge-lit, themed ultrasonic distance sensor device that scans a 180-degree area around itself and outputs to a Processing application window a graphical “radar” representation of the distances between itself and any items in that area. Also includes servo-controlled eyebrows that lower when any distance read is greater than a specified amount. From professor feedback: “...probably the most impressively completed A2 in the history of ISTA 303.”

ROBOTIC ARM DICE-ROLLER
Arduino Uno
Designed, assembled, and coded a robotic arm/tower assembly to accept dice from a user, shake them, and release them into a dice staging area autonomously. Arm also accepts manual control via constructed joystick controller.

EXTRACURRICULAR GROUPS

Choir Violinist: *2015 – Present*
Volunteer Children’s Choir Assistant Instructor: *2022 – Present*
American Heritage Girls: *Apr. 2013 – May 2019*
Phi Theta Kappa Honors: *Apr. 2018 – Present*
LIFT - Maricopa City Library Volunteering: *Jul. 2018 – Oct. 2018*