

# Darius Dumel

Chandler, Arizona

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## Work Experience

### Biodiversity Outreach Network | Full Stack Developer

*Remote, Arizona*

[Typescript](#), [Angular](#), [NestJS](#), [Docker](#), [Nginx](#), [MariaDB](#), [Git](#)

*June 2021 - June 2022*

- Developed on front-end and back-end modular libraries, implementing and designing front-end components to communicate with RESTful API
- Debugged migration issues within object-relational mapping tools, allowing for support of additional databases, increasing potential revenue by 30%
- Deployed and managed multiple web servers hosting client's web applications using AWS EC2
- Improved documentation of code-base, development processes, and language/framework best practices, increasing accessibility of code-base by 50%
- Recruited and mentored additional developer, increasing production by 30%

### Northern Arizona University, CANIS Lab | Android Mobile Developer

*Flagstaff, Arizona*

[Java](#), [Python](#), [Android SDK](#), [Django](#), [SQLite](#), [Git](#)

*August 2020 - July 2021*

- Researched and developed an augmented reality interactive game for the client's mobile application, increasing the application's functionality by 25%.
- Wrote and conducted user-testing walkthroughs of application, leading to improvement in user experience based on feedback
- Collaborated with a graphic designer to improve application user experience through redesigning UI flow and UI elements

### USGS (Capstone) | Software Developer Intern

*Flagstaff, Arizona*

[Typescript](#), [Python](#), [HTML](#), [n8n](#), [Flask](#), [Bootstrap](#), [Git](#)

*August 2020 - April 2021*

- Built a dynamic pipeline tool to process satellite image data, increasing accessibility and usability of USGS's raster drivers
- Leveraged open-source software n8n to build front end off of increasing development time by 50%
- Acted as client communicator relaying updates, roadblocks, and needs, allowing our team a more focused development
- Designed and developed project web page using HTML, SASS, and Bootstrap 5

### KJACK Radio | Android Mobile Developer

*Flagstaff, Arizona*

[Java](#), [Python](#), [Android SDK](#), [Scrapy](#)

*August 2017 - January 2018*

- Led the inception, development, and deployment of radio stream application
- wrote a script to scrape client website for radio schedule
- Coordinated deployment of application with company music event to maximize consumer reach

## Projects

### Raspberry Pi Home Server

[Docker](#), [Nginx](#), [Linux](#)

- Deployed and maintained 20+ Docker containers using Portainer and Docker CLI.
- Wrote scripts to update installations of Docker and Portainer, increasing maintenance time by 90%
- Donated computing power for cancer research via docker BOINC container.
- Set up an Nginx reverse proxy pointing to personal website.

### Recipize | Recipe Sharing App

[Flutter](#)

- Designed and developed a proof of concept Flutter Mobile application based around storing and sharing recipes.
- Resolved merge conflicts between team members' code using git, teaching them how to perform the task as I did it, minimizing merge conflict roadblocks

## Skills

**Languages** CC++, Java, Typescript, Dart, Kotlin, MIPS Assembly

**Tools & Frameworks** Angular, NestJS, Flutter, Django, Android Studio, Docker, Git, GitLab, Bash, Figma

**Process** Agile, Waterfall

## Education

### NAU (Northern Arizona University)

*Flagstaff, Arizona*

[B.S. in Computer Science](#)

*August 2016 - April 2021*

- 3.4 GPA