

# Robert Khalulyan

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## EXPERIENCE

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### Citizen Science App with NASA JPL

September 2023 – Present

*CSUN ARCS*

*Northridge, CA*

- Engaged in a collaborative project with NASA JPL to create a vital cross-platform app for indigenous tribes, focusing on environmental monitoring
- Traveled to North Dakota for essential fieldwork, liaising with communities and local institutions for data collection and insights.
- Help lead backend development efforts, focusing on setting up and managing the project's technical infrastructure using **Docker**
- Future Role:** Will be intensively involved in backend development, enhancing functionality, data processing, and server management to ensure robust performance and scalability.
- Preliminary Stage Remark:** This project is currently in its early stages. My role and contributions are evolving and will be updated as the project progresses.

### Full Stack Software Engineering Intern

June 2023 – August 2023

*Autodesk*

*Irvine, CA*

- Successfully integrated **Cypress 12** testing framework into multiple repositories, enhancing test coverage and ensuring robust code quality.
- Designed and implemented end-to-end tests and component tests, enhancing software reliability.
- Applied Cypress tests to CI/CD pipelines
- Developed Cypress scripts for user interactions and UI validation.
- Learned Terraform for efficient infrastructure management, focusing on AWS services.

### Project Manager Peer-to-Peer Data Sharing Web App

January 2023 – June 2023

*California State University, Northridge*

*Northridge, CA*

- Partnership with fellow CSUN Tau Beta Pi students developing a new peer-to-peer application
- Key technologies encompass Python, Docker containers, peer-to-peer encryption, OKTA user authentication, and multi-device streaming.

## EDUCATION

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### California State University Northridge

Northridge, CA

*Bachelor of Arts in Computer Science*

*Expected May 2024*

- GPA: 3.8 / 4.0
- College of Engineering and Computer Science (ECS) Scholarship Recipient
- Awarded for Dean's Honors List Fall 2021, Spring 2022, Fall 2022, Fall 2023
- CSUN ARCS Associate - Autonomy Research Center for STEAHM
- Coursework: Adv. Data Struct, Algorithm Design, Calculus, Physics, Linear Algebra, Software Engineering, Object Oriented Design

## REFERENCES

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### Alejandro Nuñez Davila - Head of Innovyze SaaS Engineering at Autodesk

Email: [alejandronunezdavila@gmail.com](mailto:alejandronunezdavila@gmail.com)

### Patrick Ranspach - Principle Software Engineer at Autodesk Innovyze

Email: [nhuttho@csun.edu](mailto:nhuttho@csun.edu)

### David Behar - Software Engineer at Auto Desk Innovyze

Email: [davbelom@gmail.com](mailto:davbelom@gmail.com)

### Dr. Nhut Ho - Founding Director of CSUN ARCS

Email: [nhuttho@csun.edu](mailto:nhuttho@csun.edu)

## TECHNICAL SKILLS

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**Languages:** Java, Python, JavaScript, Typescript, React, Node, React Native, MySQL

**Frameworks:** React, Node.js, Flask

**Developer Tools:** Git, Docker, Terraform, VS Code, Visual Studio, IntelliJ