

# Andre Giske

(619) 855-2551 | [andre.giske@yahoo.com](mailto:andre.giske@yahoo.com) | [linkedin.com/in/andre-giske-8a8030315](https://www.linkedin.com/in/andre-giske-8a8030315) | [github.com/dregiske](https://github.com/dregiske)

## EDUCATION

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### University of California, San Diego

*Bachelor of Science in Computer Science*

ACM member

Automotive Club, Surf Club

La Jolla, CA

Sep. 2023 – June 2027

### San Diego High School

*High School Diploma*

Burr C. Passenheim Science/Math Scholarship Recipient

Entrepreneurship Club, Car Club, Women in Literature Club

Soccer, Tennis, JROTC

San Diego, CA

Sep. 2019 – June 2023

## EXPERIENCE

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### Haptic Feedback Research

*Morimoto Labs*

- Haptic feedback research on robotic arm technology
- Tested user cases to develop efficient movement
- Explored ways to diagnose patients without human contact

Nov. 2024

La Jolla, CA

### Back-end Internship

*Acting Connect*

- Startup app development for actors to communicate directly to producers
- Communicate with team members to develop features, report progress, brainstorm

July 2024 – Aug. 2024

San Diego, CA

### Cyber-Security Services

*Net Serpent LLC*

- Cyber-security service app that utilizes custom authentication and other ID verification
- Develop features for better user interface and overall app performance
- Provides secure endpoints for login, sign-up, email verification, and session tracking

Apr. 2025 – Present

La Jolla, CA

## PROJECTS

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### Blackjack | *Java programming, Git*

- Developed the game full game of Blackjack using the full real game rules
- Implemented a betting system for interactive betting and doubling, and splitting system for multiple hands
- Fun interactive game for users to play and learn card counting

Jan. 2025 – Mar. 2025

### File Compression / Uncompression | *C++ programming, Makefile, Git*

- Developed a file compression and uncompression application using Huffman's algorithm
- Saves character frequencies and links them to a Huffman data tree to compress file contents
- Minimizes file spaces

Mar. 2025 – Apr. 2025

### Graph Project | *C++ programming, Makefile, Git*

- Implemented renowned algorithm's (Dijkstra's, Tarjan's)
- Helps to understand real-world graph applications (GPS system, bandwidth paths)

Apr. 2025 – Present

### Personalized News Rec Engine | *Python programming, SQLAlchemy, React, Git*

- Personalized "For You" recommendation engine for personalized news feed
- Tracks user search patterns and filters out less relevant news

May. 2025 – Present

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, bash. **Frameworks:** FastAPI, React, PySpark. **Developer Tools:** Git, VS Code, Google Cloud Platform, vim, Linear, Docker.