

Nick Mak

COMPUTER SCIENCE
415.609.9900 | nmak@ucsd.edu

MISSION

- Software Engineering
- Computer Graphics Engineering
- Video Special Effects Production

EDUCATION

UC SAN DIEGO

B.S. IN COMPUTER SCIENCE
December 2021 | La Jolla, CA

R.A. SCHOOL OF THE ARTS

WORLD MUSIC AND DANCE
Grad. May 2016 | San Francisco, CA

LINKS

Website:// nmakucsd.github.io
LinkedIn:// [nick-l-mak](https://www.linkedin.com/in/nick-l-mak)
GitHub:// [nmakucsd](https://github.com/nmakucsd)
FIRST Robotics:// team5700.org

SKILLS

LEADERSHIP

Public Speaking • Agile Development
Community Service • Teaching (3+ years)
Sponsorship Outreach •

COMPUTER SCIENCE

Java • C/C++ • C# • Unix/Linux •
HTML • CSS • Javascript •
Robotics Programming
MIPS • Verilog • Arduino • \LaTeX

LEADERSHIP ROLES

Associated Student Body
Triton XR | Project Manager
IEEE UCSD | Project Lead
KOTX UCSD | Media Producer
Robolink | Robotics Instructor
FIRST Robotics | Founder, President,
Mentor
Hapkido USA | Instructor

EXPERIENCE

UCSD IEEE ROBOCUP ANNUAL PROJECT | PROJECT LEAD

October 2019 - Present | UCSD

- Manage team of seven individual to build, program, and design one of six robots to play in international Robocup Robotics Competition.
- C++ Program robot and Computer Vision.
- Publish paper on robot specifications and documentation.

ROBOLINK | ROBOTICS INSTRUCTOR

November 2019 - Present | San Diego

- Teach kids robotics programming and engineering concepts.
- Coach and mentor kids in competition for VEX IQ.
- Program robot using VEX IQ and C/C++ Based Programming.

FIRST ROBOTICS TEAM | MENTOR, FOUNDER, PRESIDENT

August 2014 - December 2017 | San Francisco, CA

- Founded team through school administration, raised \$10,000 to kickstart.
- JAVA Programmed 120lb robots to compete in the FIRST Robotics Competition.
- Designed Team's Website with Squarespace and custom CSS.

PROJECTS

TETRIS | HTML, CSS, JAVASCRIPT (MAJORITY)

Made Tetris with customizable key choice | nmakucsd.github.io/Tetris

PERSONAL WEBSITE | HTML, CSS

Developed storybook-portfolio website w/o Bootstrap | nmakucsd.github.io

ROCK-PAPER-SCISSORS-LIZARD-SPOCK | HTML, CSS, JAVASCRIPT

Play a game with the computer's randomly generated choices|
nmakucsd.github.io/RockPaperScissorsLizardSpock

ANIMATRONIC WIRELESS ARM | ARDUINO

Created robotic hand to mimic user's hand positions with Arduino + breakout board, flex sensors on a glove to send wireless signals to a servo actuated arm.

UNITY3D GAME (IN PROGRESS) | UNITY3D, C#

Making a 3D version of Asteroids.

AWARDS

FIRST ROBOTICS COMPETITION

2018	FRC San Francisco Regional	2018 Excellence in Engineering Award
2017	FRC San Francisco Regional	2017 Imagery Award iho. Jack Kamen
2016	Calgames 2016	2016 Highest-Seeded Rookie Award