

# Nicholas Kasdjono

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## Objective

To obtain a position in Computer/Software Engineering.

## Education

California State University Northridge, Senior, **Computer Engineering**, Graduating Fall 2021 GPA: 3.0

**AOS** in Automotive/Diesel & Industrial Technology, Universal Technical Institute GPA: 3.7

Relevant Coursework:

- Full Stack Web Development
- JAVA and C++ Programming
- Hardware Design using VHDL with Xilinx
- Hardware Design using System Verilog with Synopsys VCS in Linux OS environment
- PSPICE/Cadence, Solid Works and AutoCad

## Work Experience

**Senior Design Project, IGV, California State University Northridge** December 2020 – December 2021

- Design electrical distribution circuits for Intelligent Ground Vehicle
- Calculate circuit requirements based on the peripheral electrical components specifications (lidar, GPS, camera, electric motors...)
- Design PCB using Eagle CAD Software

**UCLA Extension Program – Full Stack Web Development** August 2021 – October 2021

- Develop web applications using agile methodology and database theory
- Collaborate with other programmers using GitHub platform
- HTML, CSS, JavaScript, jQuery, Bootstrap, Node.js
- MySQL, MongoDB, Express.js, React.js

**Let's Grow Healthy, Internship, California State University Northridge** August 2019 – June 2020

- Manage aquaponics systems and hydroponic systems
- Test water quality/nutrient content and monitor plant/fish health
- Hold workshops for the student community teaching aquaponics/hydroponics

**Project Lead, Electro-Static Particle Collector for HASP 2016, College of the Canyons** August 2015 – July 2016

- Designed, built, and tested a dust particle collector
- Organize and lead project meetings with interdisciplinary engineering team
- Prepare cost reports and proposals
- Manage flight systems and power management

**Race Car Mechanic, Formula Mazda Race Team, ARC Motor Sports** August 2015 – July 2016

- Performed maintenance and repairs on racing vehicles
- Assembly and disassembly of power train and suspension components
- Verify race car fabrication and safety systems are at correct specifications
- Create competitive strategies for specific tracks and weather conditions

**Automotive Technician / Team Lead** January 2006 – May 2014

- Diagnose and repair any issues with customer's vehicles
- Specialize in powertrain, drivetrain, and electrical diagnostics
- Nissan of Valencia, Valencia, CA
- Mitsubishi and Subaru, Valencia, CA
- Universal City Nissan, Universal City, CA

## Leadership Experience

**President of Engineering Club, College of the Canyons** March 2016 - 2017

- Organize club activities, special events, guest speakers,
- Organized tours for industry (JPL, Boeing Satellite Systems and Boeing Seal)