

Sherveen “Sean” Shokoohi

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Computer Engineer at UCSD with a **Security Clearance**, graduating March 2021, seeking a position in **Software Engineering**.

EXPERIENCE

UCSD Department of Computer Science and Engineering

06/2020 – Present

Course Tutor

(CSE 134B, CSE 140L)

San Diego, CA

- Automated assignment grading via Python and Bash script pipelines and thereby accelerated grading by 90%
- Directly tutored students in System Verilog, semantic HTML, CSS, JavaScript, client-side performance and accessibility
- Held weekly office hours and drafted grading rubrics with the other instructional assistants

NAVWAR

06/2020 – 08/2020

Software Engineering Research Intern

San Diego, CA

- Conducted R&D on image processing and systems design for semi-autonomous amphibious vehicles
- Software development project manager and subject matter expert, managed several codebases in C++ and Python
- Delivered weekly briefings to 60+ stakeholders and management while providing extensive documentation on development
- Trained in ethical hacking, emphasis in defensive cybersecurity measures and penetration testing

SPAWAR

06/2019 – 08/2019

Software Engineering Intern

San Diego, CA

- Developer in an agile environment, participated in daily stand ups and contributed to feature planning and implementation
- Worked on a private CDN with an administrative dashboard implemented in React and Django
- Developed native mobile applications and low-latency IOT big data processing solutions in a meshed distributed network

NASA JPL

02/2017 – 07/2017

Microcomputer and Robotics Programming Intern

Pasadena, CA

- Developed a proprietary g-code interpreter library in C to interface and synchronize an array of stepper motors
- Designed, wired and programmed electro-mechanical plotting systems from the ground-up

Sigma-Motion 2658 Robotics

09/2011 – 06/2015

Software and Electrical Systems Team Lead

San Diego, CA

- Applied computer vision and artificial intelligence to develop autonomous navigation algorithms via the WPILib Java API
- Wrote software for the NI roboRio that interfaced control systems, sensors and SBCs over CAN bus and PWM
- Recognized for devising UI control schemes that reduced operator overhead while maintaining accuracy and responsiveness

TOP AWARDS AND RECOGNITIONS

SD Hacks @ UCSD – Judge

2018

- Requested personally by the Deputy of Program Development at SPAWAR to judge on their behalf

Mesa Hacks @ Mesa College – 1st Place

2018

- Competed solo, additionally received best software hack and best hardware hack awards

IEEE Hacks @ SDSU – 1st Place

2017

Special Congressional Recognition by Congressman Scott Peters @ NASA

2017

EDUCATION

University of California San Diego
San Diego Miramar College

B.S. in Computer Engineering
A.S. in Physics

(GPA – 3.5)
(Honors Student)

9/2018 – 6/2021
9/2015 – 6/2018

TECHNICAL SKILLS

Languages: Java, C, C++, Go, Python, HTML, CSS, JavaScript, Assembly, System Verilog, Bash, SQL, Haskell, MATLAB

Frameworks and Tools: Android, AWS, DynamoDB, Docker, RPC, Firebase, CircleCI, jQuery, Node.js, React, Django, Sklearn