Sherveen "Sean" Shokoohi

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Computer engineer at UCSD, graduating March 2021, seeking a position in **software engineering**.

EXPERIENCE

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+ investors and management while providing extensive documentation on development
- Trained in ethical hacking, emphasis in defensive cybersecurity measures and penetration testing

UCSD Department of Computer Science and Engineering   06/2020 – 08/2020
Web Client Languages Tutor   (CSE 134B)   *San Diego, CA*
- Directly tutored students on the semantics of HTML, CSS and JavaScript, emphasis in client-side performance and accessibility
- Automated assignment grading via Python and Bash script pipelines and thereby accelerated grading by 90%
- Held weekly office hours and drafted grading rubrics with the other instructional assistants

SPAWAR   06/2019 – 08/2019
Software Engineering Intern   (obtained federal security clearance)   *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

Special Congressional Recognition by Congressman Scott Peters @ NASA   2017
IEEE Hacks @ SDSU – 1st Place   2017
Mesa Hacks @ Mesa College – 1st Place   2018
- Competed solo, additionally received best software hack and best hardware hack awards

SD Hacks @ UCSD – Judge   2018
- Requested personally by the Deputy of Program Development at SPAWAR to judge on their behalf

EDUCATION

University of California San Diego	*B.S. in Computer Engineering*	(GPA – 3.5)	**9/2018 – 6/2021**
San Diego Miramar College	*A.S. in Physics*	(Honors Student)	**9/2015 – 6/2018**

TECHNICAL SKILLS

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

Frameworks and tools: Android, AWS, Firebase, CircleCI, jQuery, Node.js, React, Django, Docker