Sherveen "Sean" Shokoohi

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I am a computer engineer at UCSD seeking a new graduate position in **software engineering** starting March 2021.

EXPERIENCE

SPAWAR/NAVWAR   06/2020 – 08/2020
Software Engineering Research Intern   (returning intern, working remotely)   *San Diego, CA*
- Conducted multidisciplinary research in a team of 7 undergraduate and graduate engineers
- Managed several codebases in Python and C++ as the team software development project manager and subject matter expert
- Delivered weekly virtual presentations to 60+ investors, management and other development teams

                                                                      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 large-scale CRUD web application implemented in React and Django
- Developed native mobile applications and low-latency IOT big data processing solutions in a meshed distributed network
- 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*
- CSE 134B dives deep into HTML, CSS, JavaScript, UX and DX with emphasis on semantic markup and client-side accessibility
- Automated assignment grading by developing a web-scraping and markup lexing application implemented via Python and Bash
- Held weekly office hours and drafted grading rubrics with the other instructional assistants

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

Pedestrian Robotics (Now Sigma-Motion)   09/2011 – 06/2015
Software and Electrical Systems Team Lead   *San Diego, CA*
- Used 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 (52nd district, CA)**   2017
  - Received after holding a Q&A panel for a team project at NASA
- **IEEE Hacks – 1st Place**   2017
- **Mesa Hacks – 1st Place**   (Competed Solo)   2018
  - Also won best software hack and best hardware hack awards
- **SD Hacks – Judged on behalf of SPAWAR/NAVWAR**   2018
  - Requested personally by the Deputy of Program Development

EDUCATION

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

TECHNICAL SKILLS

Proficient: Java, C, C++, HTML, CSS, JavaScript, Assembly, System Verilog

Intermediate: Go, Python, Bash, Android, Continuous Integration

Other: jQuery, Node.js, React, Django, Firebase, Docker, SQL, Haskell, MATLAB