

Sergei Charles

☎ (619) 555-1234 ✉ sergei.charles@example.com

🌐 linkedin.com/in/sergei-charles 📍 1234 Maple Street, San Diego, CA 92101



SUMMARY

Passionate student in Computer Engineering with hands-on experience in wireless systems through academic projects and internships. Proven ability to troubleshoot and optimize wireless technologies while effectively collaborating with peers and professionals. Eager to leverage analytical skills and technical knowledge for innovative contributions in wireless systems engineering. Skilled at conducting research and staying updated on industry trends to maximize project outcomes, consistently delivering value to team efforts and enhancing learning experiences.

EDUCATION

Bachelor of Science in Computer Engineering

2026

University of California, San Diego GPA: 3.8

San Diego, CA

Coursework: Wireless Communication, Network Design, Digital Systems, Signal Processing

TECHNICAL SKILLS

- **Programming Languages:** Python, MATLAB, Java
- **Statistical Tools:** SPSS, R, Excel
- **Wireless Technologies:** Wi-Fi, Bluetooth, LTE
- **Development Methodologies:** Agile, Scrum, Waterfall
- **Project Management Tools:** Trello, JIRA, Asana
- **Testing Tools:** Postman, Wireshark, SoapUI
- **Database Management:** MySQL, MongoDB, PostgreSQL
- **Communication Tools:** Slack, Microsoft Teams, Zoom
- **Documentation Software:** Microsoft Word, Google Docs, LaTeX
- **Design Tools:** Figma, Adobe XD, Sketch

SKILLS

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|------------------------|--------------------------|-------------------------|----------------------|
| • Wireless Systems | • Research Methodologies | • Problem Solving | • Team Collaboration |
| • MATLAB | • Project Management | • User Interface Design | • Technical Writing |
| • Python | • Data Analysis | • Signal Processing | • Empirical Research |
| • Statistical Analysis | • Communication | • Agile Methodologies | |

EXPERIENCE

Wireless Systems Engineer

January 2026 - Present

University Project

San Diego, CA

Oversaw the design and development of a prototype wireless communication system focused on enhancing data transmission efficiency. Responsible for analyzing performance metrics and coordinating testing phases. Utilized programming tools to evaluate system reliability and troubleshoot issues effectively.

- Collaborated with a multidisciplinary team to innovate wireless solutions, significantly improving project outcomes.
- Conducted literature review on trending wireless technologies, leading to a well-received report disseminated among faculty.
- Employed MATLAB and Python for performance evaluation; identified key areas for improvement post-testing.
- Managed documentation related to project phases, facilitating seamless communication among stakeholders.
- Led hands-on experiments with wireless devices, deriving valuable lessons that influenced project designs.
- Participated actively in synchronous meetings, reinforcing team strategies and addressing challenges collectively.

Research Assistant

September 2025 - December 2025

Academic Research

San Diego, CA

Supported pivotal research investigating environmental factors affecting wireless signal propagation. Engaged in data analysis using statistical methodologies and prepared findings for presentations. Fostered collaborative relationships within the research community.

- Collected and analyzed empirical data; results contributed to optimizing wireless signal strength under various conditions.
- Composed research papers that highlighted findings, aiding peer discussions during academic conferences.
- Developed troubleshooting solutions in conjunction with senior researchers to tackle signal degradation.

- Maintained laboratory equipment ensuring rigorous adherence to safety protocols throughout all experiments.
- Networked with experienced faculty members, enriching personal knowledge through interactive seminars.

Systems Developer

March 2026 - April 2026

Hackathon Project

San Diego, CA

Played a crucial role in developing an application aimed at monitoring and optimizing users' wireless network performance. The initiative involved collaboration with fellow developers to enhance user engagement through effective design practices.

- Devised user interfaces that promoted ease of interaction and functionality enhancements.
- Utilized Agile methodology to plan developments efficiently, ensuring timely accomplishment of tasks.
- Led user testing sessions gathering qualitative feedback resulting in iterative product refinement.
- Achieved recognition for innovative application features, earning accolades during hackathon evaluations.
- Delivered project presentations to expert judges, securing impressive placement amidst talented contenders.

LEADERSHIP & AWARDS

- Dean's List, University of California, San Diego, 2025
- First Place, University Hackathon, 2026

CERTIFICATIONS

- Wireless Communications Fundamentals 📅 2026
- Introduction to Wireless Networks 📅 2026

PROFESSIONAL AFFILIATIONS

- Member, UCSD Wireless Technology Club, 2025 – Present
- Volunteer, Local STEM Education Program, 2025 – Present

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST