

League City, TX
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Kevin M. Garner

Software Engineer

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I am a software engineer with experience in both software and hardware integration and testing. I am currently pursuing my MS in computer science part-time, online at Georgia Tech, where I am focusing on low-level computing systems. I have strong knowledge in C and C++, and have used Python in development of system testing. I feel most comfortable in lower level systems, and also have knowledge of cryptographic engineering.

SKILLS

Tools and Languages	C, C++, Python, Linux, Git, \LaTeX
Knowledge Areas	Distributed systems, database development, operating systems, cryptography

TECHNICAL EXPERIENCE

Software Engineer <i>Ocient</i>	Aug 2022 — Present <i>Houston, TX</i>
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- Developed software in C++ for high speed database and business analytics software
- Software lead for client/server connectivity updates

Senior On-orbit Operations Engineer <i>Nanoracks, LLC</i>	Apr 2021 — Aug 2022 <i>Houston, TX</i>
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- Lead planning and execution of spaceflight payload operations
- Developed and executed test plans for software and hardware integration
- Planned new operations for Nanoracks Outpost program, utilizing spent upper-stage rockets for payload operations

Avionic Subsystem Manager <i>MRI Technologies</i>	Mar 2020 — Apr 2021 <i>Houston, TX</i>
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- Lead team in embedded system software updates, including requirements development, verification testing, and code reviews for bare-metal C code
- Planned and executed troubleshooting and failure resolution of spaceflight avionic hardware and software

Operations Engineer <i>Cimarron, Inc</i>	Jun 2012 — Mar 2020 <i>Houston, TX</i>
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- Lead multi-departmental team in creation of International Space Station flight software scripts, following NASA flight software development process for scripts that included fault detection algorithms and automated procedures
- Certified as an International Space Station flight controller, worked in NASA mission control. Monitored and operated International Space Station (ISS) avionics, communication, command, and data handling systems.

EDUCATION

M.S. Computer Science , <i>Georgia Institute of Technology</i>	exp. May 2024
B.S. Electrical Engineering , <i>Louisiana State University</i>	