



Current job openings

<https://fermilab.jobs/>

Position: Applications Development and Systems Analyst III

Functional Area: Accelerator Division

Experience Level: Mid-Career: 10+ years of experience

Overview: Requires a solid foundation in software development in order to contribute to the development and implementation of the new accelerator control system. Advanced programming experience is required.

Timeframe: September- October 2020

[Apply here](#)

Position: Artificial Intelligence (AI) Associate

Functional Area: Artificial Intelligence and Software for Physics Applications

Division: Scientific Computing Division

Experience Level: Entry Level

Overview: Our experiments produce huge and complex datasets that require cutting-edge AI algorithms and hardware implementations. Will develop and apply ML, AI, and data science algorithms for collider, neutrino and cosmological physics as well as collaborate with research partners in computer science, electrical and computer engineering and mathematics.

Timeframe: October to December 2020

[Apply here](#)

Position: Computing Services Architect I

Division: Accelerator Division

Experience Level: Mid-Career: 5+ years of experience

Overview: Organize and lead a team to develop and implement the architecture of the new accelerator control system. Experience working on software project initiation, planning, and implementation is required.

Timeframe: September- October 2020

[Apply here](#)

Position: ASIC Development Engineer

Division: Particle Physics Division

Experience Level: Mid-Career: 3+ years of experience.

Overview: Requires a solid foundation in RF IC and/or mixed signal ASIC design projects in order to contribute to research activities and engineering work focused on deep cryogenic integrated circuit design for Quantum technologies.

Timeframe: September- October 2020

[Apply here](#)

Position: Structural Engineer

Functional Area: Facilities Engineering Services Section

Experience Level: Mid-Career: 3+ years of experience.

Overview: Independently evaluate, select and apply standard engineering techniques, procedures and criteria to assignments which have clear and specified objectives.

Timeframe: September to October 2020

[Apply here](#)

Position: Fluids Engineer

Functional Area: Accelerator Division

Experience Level: Early Career: 0 - 3+ years of experience.

Overview: Utilize fundamental engineering concepts and principles to complete assignments and develop familiarization with the Laboratory's method of project engineering, from the design stage through review, procurement, fabrication, installation, test and operation.

Timeframe: September to October 2020

[Apply here](#)

The following positions are approved, but applications are not yet being accepted. Please check back at <https://fermilab.jobs/>

Position: Computer Researcher (Term Position) - High bandwidth network analysis

Functional Area: Cybersecurity

Division: Scientific Computing Division (Scientific Computing Information Security Group)

Experience Level: PhD; work experience preferred but not necessary

Overview: Requires a deep understanding of machine learning techniques and the ability to apply them to the field of information security; candidate to conduct research independently and help guide our research directions. Expertise in Python is also required. Ideal candidate should also have a good understanding of computer networks and information security and a PhD degree in computer science.

Timeframe: October to December 2020

Position: Electrical Engineer II (Staff Engineer)

Functional Area: FPGA Firmware Development in VHDL and/or Analog or Digital PCB design

Division: Accelerator Division

Experience Level: 2 years minimum experience and or advanced graduate degree.

Overview: Requires experience with FPGA firmware development, preferably with Intel/Altera products and knowledge of coding in VHDL. Experience with Xilinx and Verilog firmware development is also acceptable. We are also interested in engineers with analog or digital circuit design experience.

Timeframe: October to December 2020

Position: FPGA Firmware Developer (Staff Engineer)

Functional Area: FPGA Firmware Development in VHDL and AI Machine Learning.

Experience Level: 2 years minimum experience and or advanced graduate degree.

Division: Accelerator Division

Overview: Requires experience with FPGA firmware development, preferably with Intel/Altera products and knowledge of coding in VHDL. Experience with Xilinx and Verilog firmware development is also acceptable. You will be collaborating with AI Machine Learning experts to develop modern controls

for particle beam accelerators.

Timeframe: October to December 2020

Position: Computer Security Analyst I

Functional Area: Cybersecurity

Division: Core Computing Division (Computer Security Operations Group)

Experience Level: Entry Level

Overview: This position resides in the Computer Security Operations group. It requires the ability to learn, implement and perform procedures that ensure the safety of information systems data/assets and to protect systems from intentional or inadvertent access or destruction.

Timeframe: October to December 2020

Position: ServiceNow Developer/Administrator

Functional Area: Core Business Services

Division: Core Computing Division (Business Infrastructure Department)

Experience Level: Entry Level

Overview: Requires a solid foundation in modern software development and relational database concepts. Experience with JavaScript preferred. No prior experience with the ServiceNow platform required.

Timeframe: November to December 2020

Position: Oracle Database Administrator

Functional Area: Core IT Services

Division: Core Computing Division (Enterprise Services Operations Group)

Experience Level: At least three years of relevant experience

Overview: Requires excellent problem-solving skills and at least three years of relevant experience providing Oracle database administration support. Additional experience supporting Oracle E-Business Suite and/or PeopleSoft applications would be a major plus.

Timeframe: November to December 2020

Position: Jr. Technical developer

Functional Area: Core Business Services

Division: Core Computing Division (Enterprise Application Department)

Experience Level: Entry Level

Overview: Requires good problem-solving skills and at least 1 year of relevant experience to support and enhance custom Oracle-based applications, Workday Human Capital Management (HCM) and/or PeopleSoft Payroll systems.

Timeframe: Applications accepted from Dec. 7-18, 2020

