Internship Programs

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The Visiting Faculty Program

- The Visiting Faculty Program (VFP), sponsored by the DOE, is a 10-week summer hands-on research experience at Fermilab where Fermilab scientists, engineers, and computer professionals collaborate with faculty/student teams from community colleges and four-year institutions historically underrepresented in the research community.
- Faculty applicants must submit a research project proposal co-developed with Fermilab staff.
- Application Period: October 16, 2019-January 10, 2020
- Program Dates: June 1-August 7, 2020
- Faculty and students are paid by the DOE during this time.
- Travel and Housing are covered by Fermilab.
- Faculty could bring up to two students to participate in the research project.
- Project can be extended for 3 years

Webinar for Fermilab scientists, engineers and computing professionals is scheduled on Friday, July 24 @2 pm (https://indico.fnal.gov/event/44484)

AI Associate Position

- Gabe lead the hiring process for 4(!!!!) AI Associates.
- The position is a one-year post aimed at recent college graduates (ideally in computer science), molded after an industry-style post-bac "internship" program.
- The hope is that it is an annual position going forward.
- For now it is funded by project money (Nhan Tran, Lindsey Gray, Gabe Perdue and PIP-II)
- Minimum required Education and Experience: Bachelor's degree in Computer Science, Math, Statistics or Physics.
- Hiring stats:
  - Resumes reviewed: 111 resumes (22% female applicants)
  - Selected for a short interview: 22 candidates (31% female candidates)
  - Selected for a long interview: 10 candidates (30% female candidates)
  - Hired: 4 people (50% female candidates)
- Started remotely in May - June

Summer Internship

- We have students from numerous programs this year:
  - GEM
  - GHC
  - SIST
  - Univ. Chicago
- All students are remote and we have organized "Office Hours" for them to help with computing questions on slack. Thank you, volunteers!
- We hope that we will be able to attract more mentors/projects next year
- Grassroot efforts: working on proposal on how to improve SCD outreach/internship participation. It is discussed at FNAL computing slack channel #my-workplace. Hope to present to our management soon.

Internship/Outreach Policy Proposal

- Create the SCD budget code that people could charge for outreach. A day a week, 20% of one FTE seems to be a reasonable amount of effort for the whole outreach program.
- Add a task of mentoring and overseeing interns as a goal in performance review.
- Help to organise an informal mentorship program within the SCD.
- Solicit projects and organise peer review of projects for summer interns.
- Publicly recognise/give awards to outstanding mentors and for exceptional outreach efforts.
- Create a central repository with information of all successful interns. Provide some effort to monitor their careers and check their availability for filling open positions.
- Create a program of apprenticeship modeled on current efforts led by Gabe Perdue.