**Current and Pending Support: Jonathan Asaadi**

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| **Support**:  Awarded  Pending |
| **Sponsor:** NSF **Award/Identifying Number: 1654507** |
| **Title of the Proposal**: CAREER: A novel fully modular liquid argon neutrino detector for the Deep Underground Neutrino Experiment |
| **Total Award Amount for the Entire Award Period (including indirect costs)**: $1,114,875 |
| **Award Period**: **2017 - 2021** |
| **Number of Person-months per year to be devoted to the project**: 2 months/year |
| **Abstract:** This proposal puts forward the development of a new modular liquid argon time projection chamber (LArTPC) neutrino detector to be used as a near detector for the Deep Underground Neutrino Experiment (DUNE). The ultimate goal of this project is to demonstrate the feasibility of constructing and operating identical but separate LArTPC modules in a common bath of liquid argon. Each module features a relatively short drift length and at a fully independent TPC with its own readout, light detection system, cryogenics, and services. |