

CURRENT AND PENDING (OTHER) SUPPORT INFORMATION

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person.

*NAME: Head, Andrew

PERSISTENT IDENTIFIER (PID) OF THE SENIOR/KEY PERSON: <https://orcid.org/0000-0002-1523-3347>

*POSITION TITLE: Assistant Professor

*ORGANIZATION AND LOCATION: University of Pennsylvania, Philadelphia, Pennsylvania, United States

Projects/Proposals

*Project/Proposal Title: Re-Imagining Childhood Asthma and Electronic Health Records: a Community-Based Approach

*Status of Support: current

Proposal/Award Number: N/A

*Source of Support: Penn Community Collaboratory for Co-Creation

*Primary Place of Performance: University of Pennsylvania

*Project/Proposal Support Start Date: (MM/YYYY): 06/2023

*Project/Proposal Support End Date: (MM/YYYY): 05/2024

*Total Award Amount: \$60,000

* Person Months (Calendar/Academic/Summer) per budget period Committed to the Project:

Year	Person Months
2024	0.25

*Overall Objectives: This pilot project aims to develop a vision of how better interfaces to electronic health records (EHRs) can help marginalized asthma patients become informed about their condition. This project entails conducting interviews with patients and collecting feedback on low-fidelity prototypes of improved EHR interfaces.

*Statement of Potential Overlap: No overlap.

*Project/Proposal Title: CAREER: Interactive Scientific Authoring Tools for Explaining Formulas

*Status of Support: pending

Proposal/Award Number: N/A

*Source of Support: National Science Foundation

*Primary Place of Performance: University of Pennsylvania

***Project/Proposal Support Start Date: (MM/YYYY):** 09/2024

***Project/Proposal Support End Date: (MM/YYYY):** 08/2029

***Total Award Amount:** \$600,000

*** Person Months (Calendar/Academic/Summer) per budget period Committed to the Project:**

Year	Person Months
2025	1
2026	1
2027	1
2028	1
2029	1

***Overall Objectives:** This project contributes advances in tooling for scientific authoring to help authors augment their math notation in ways that make it easier to understand.

***Statement of Potential Overlap:** No overlap.

***Project/Proposal Title:** SHF: Medium: Property-Based Testing for the People

***Status of Support:** pending

Proposal/Award Number: N/A

***Source of Support:** National Science Foundation

***Primary Place of Performance:** University of Pennsylvania

***Project/Proposal Support Start Date: (MM/YYYY):** 05/2024

***Project/Proposal Support End Date: (MM/YYYY):** 04/2027

***Total Award Amount:** \$1,000,000

*** Person Months (Calendar/Academic/Summer) per budget period Committed to the Project:**

Year	Person Months
2025	1
2026	1
2027	1

***Overall Objectives:** This project aims to combine programming-languages and HCI insights and methodology to establish PROPERTY-BASED TESTING as a mainstream software testing method.

***Statement of Potential Overlap:** This proposal

***Project/Proposal Title:** VERSE: Verification Engineering for Real-world Software Engineers

***Status of Support:** pending

Proposal/Award Number: HR001123S0020

***Source of Support:** DARPA

***Primary Place of Performance:** University of Pennsylvania

***Project/Proposal Support Start Date: (MM/YYYY):** 01/2024

***Project/Proposal Support End Date: (MM/YYYY):** 12/2028

***Total Award Amount:** \$2,199,636

*** Person Months (Calendar/Academic/Summer) per budget period Committed to the Project:**

Year	Person Months
2025	0.67
2026	1
2027	1
2028	0.83

***Overall Objectives:** This project develops a complementary set of smoothly integrated tools and methodologies to advance proof engineering and magnify its capabilities for a broad community of traditional software developers.

***Statement of Potential Overlap:** No overlap.

Certification:

When the individual signs the certification on behalf of themselves, they are certifying that the information is current, accurate, and complete. This includes, but is not limited to, information related to current, pending, and other support (both foreign and domestic) as defined in 42 U.S.C. §§ 6605. Misrepresentations and/or omissions may be subject to prosecution and liability pursuant to, but not limited to, 18 U.S.C. §§ 287, 1001, 1031 and 31 U.S.C. §§ 3729- 3733 and 3802.

Certified by Head, Andrew in SciENCv on 2024-02-26 17:23:33