

Motivating and Reaching University Students and Professionals with Software Security Education

NC STATE
UNIVERSITY

Challenge:

- Worldwide shortage security professionals
- How do we retrain for security?

Solution:

- Software Security MOOC
- “Flip” a university course



Scientific Impact:

- Identified challenges in flipping technical courses
- Measured outreach to new communities
- Observed grade differences (20% on average) between online course and university course.

Broader Impact:

- Help retrain people for new industries
- 400 signups for the course, 60 received certificate

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