DYLAN CONKLIN

LinkedIn: linkedin.com/in/dylan-conklin   Website: dylanconklin.github.io   Github: github.com/dylanconklin
Email: dylan.conklin25@icloud.com   Phone: (971) 266-1319

Education

Portland State University, *Master of Science - Computer Science*   Expected March 2026
    - Focus on Software Engineering
Portland State University, *Bachelor of Science - Computer Science*   2023

Tech Skills

Languages	Swift, Objective - C, Dart, Java, C, C++, HTML, CSS, Javascript, Typescript
Frameworks	SwiftUI, Swift Testing, XCTest, Flutter, React, Jest
APIs	MapKit, Core Bluetooth, Swift Charts
Tools	Xcode, Git, GitHub, Jira, Trello, Teams
Office Software	Microsoft Office, Google Workspace, iWork (Pages, Keynote, Numbers)

Publications

Conklin, D., et al. (2025). *BL(u)E CRAB: A User-Centric Framework for Identifying Suspicious Bluetooth Trackers*.
In *Proceedings of the IEEE International Conference on Pervasive Computing and Communications (PerCom 2025)*.

Professional Experience

Research Assistant, *Portland State University*   November 2023 - Present
Description: Mobile app used to prevent stalking by detecting Bluetooth trackers using advanced risk analysis

- Develop BL(u)E CRAB mobile app
    - Bluetooth scanning and risk analysis algorithms
    - User interface components
    - Data storage management system
- Perform research tasks
    - Conduct experiments, analyze data and interpret results for ongoing research
    - Produce technical documentation, research reports, and development plans
    - Collaborate with partners and developers in regularly-scheduled meetings
    - Mentor interns and incoming project contributors
- Maintain and update the DIPr Lab website
    - Write posts about lab events
    - Perform code review and provide feedback for submissions made by lab members
- Coordinate lab meetings and activities
    - Communicate with lab members and coordinate weekly meetings
    - Present research posters and create accompanying visual materials
    - Represent the lab in Computer Science advocacy and student engagement events

Software Developer, *Portland State University*   January 2023 - June 2023
Description: Web-based feedback system with anonymous chat

- Used machine learning techniques to develop sentiment analysis and feedback filtering features
- Developed input sanitizing features for vulgar language and SQL injection
- Wrote unit testing suites using Jest and tested server endpoints
- Worked with the UI team to ensure backend compatibility with frontend web components and forms
- Wrote technical documentation including details of implementation architectural decisions
- Presented final product to the client

Certifications

IT Fundamentals Certified, *CompTIA*   2017
XHTML/CSS3 Certified, *Microsoft*   2017
Microsoft Office 2010 Certified, *Microsoft*   2016