

# Sokpean Uy

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## EDUCATION

### Williams College

Williamstown, MA

Major: Computer Science & Sociology

Graduation Date: June 2027

- **Organizations/Awards:** 1st Place Winner of SCALE Pitch Competition, Winter Study Committee, Herbert H. Lehman Scholarship, Youth Leadership Scholar (Hispanic Scholarship Fund Recipient)
- **Technical:** Python (NumPy, Pandas) | SQL | Java | JavaScript | HTML | CSS | F# | Adobe Suite | Rhino 3D
- **Concepts:** Algorithms, Data Structures, Weighted Graphs, DSL Design, API Integration

## INTERNSHIPS

### Williams Office of Communications

Remote

Website UX/UI Redesign Intern

May 2025—Present

- Conducted a **comprehensive audit** of CMS content pages, **systematically organizing and optimizing content** to enhance clarity, consistency, and maintainability across the platform.
- Performed **competitor analysis** on peer institutions, leveraging user engagement data to inform content strategy with a **focus on accessibility compliance (WCAG), SEO efficiency, and user-centric design.**
- Executed **migration and formatting** of web pages within a new CMS, ensuring **high-quality content integration** aligned with accessibility standards; provided precise, **data-driven UI/UX feedback** on wireframes and mockups to **improve user navigation and interaction.**

### Lean-Education Agile Foundry Laboratory

Remote

Tech Talent Intern

Dec 2024—Present

- Researched funding opportunities for the Nativity Miguel Coalition (**50 schools focused on educational equity**). Developed a program to **track and manage** student registration **data** efficiently.

## PROJECTS

### Global Citizen – Founder/Developer (1st winner of Startup Grant)

April 2025-Present

- Developed an **iOS app** using **Swift** to assist non-English-speaking immigrants in preparing for the citizenship interview by integrating a **language translation API** for real-time support and improved accessibility.

### EphMOOve – Domain-Specific Language for Route Optimization

May 2025

- Designed **DSL in F#** inspired by **Traveling Salesman Problem** to specify maps and schedules via text files for shortest paths. Implemented **weighted directed graph evaluator** with adjacency matrices and records. Explored extensions for **TSP routing, route prioritization, and map API integration.**

### EphWrite – Research Organization Browser Extension

May 2025

- Built a **Chrome extension** for **generating unlimited MLA/APA citations** and saving website-specific notes to streamline research. Led **full-stack development** with HTML/CSS/JavaScript, applying **WCAG accessibility and UI/UX best practices.** Conducted **user testing** and iterated design to improve navigation, legibility, and responsiveness.

## RESEARCH EXPERIENCE

### Sentinels Summer Public Policy Research Fellowship

Williamstown, MA

Research Fellow

Jun-Aug 2024

- Conduct **sociological observation** in youth social spaces to investigate why teenagers are having fewer face-to-face conversations, linking its cause to a lack of youth **social infrastructure**, while connecting the need for strong positive youth social connectivity to the **prevention of opioid addiction.**
- Wrote a **20-page report** that concludes the government's role in **funding** these spaces as well as suggestions on how strategic urban design can foster community connections moving forward.