Hillary Dunkley

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Education

Smith College Expected graduation: May 2025

B.S. Computer Science, B.A. Music

Relevant Coursework:

Introduction to Data Structures (CSC 212), Introduction to Programming Language Concepts (CSC 151), Discrete Mathematics (MTH 153), Introduction to Computer Science through Programming (CSC 111), Introduction to Software Engineering (CSC 223), Microprocessors and Assembly Language (CSC 231)

Technical Skills:

- **Frontend** - HTML, CSS, JavaScript, React
- **Software Engineering** - Python, Java, Ruby, Ruby on Rails
- **Misc** - Swift, Version Control/Git, Agile Methodology, MVC, SQL

Technical Projects

wellBE - Hack(h)er 413 Hackathon

- Led a team of 4 for health and wellness website that deemphasized calorie counting and emphasized macro nutrients
- Designed mockups of website, implemented the frontend using HTML/CSS
- Implemented search functionality for food search using JavaScript
- Won the Panera Hack for a Healthier Happier World Prize

Namor's Revenge

- Designed a text-based horror adventure game about a girl who is tricked by her friends to go to a haunted house by herself on Halloween night
- Crafted script, story and action sequences for all possibilities in the game
- Architected a graph data structure to navigate user between game locations, and implemented hash set data structure to develop an inventory system using Java

What's for Dinner?

- Developed a website that randomly creates recipes in a madlibs style based on user inputs
- Utilized MVC structure to create controllers that validated the form and redirected to recipe generator using Ruby
- Created frontend with HTML, CSS and Ruby

Work Experience

Technical Assistant - Plentiful Commerce December 2021-22

- Worked on website improvement projects for eCommerce clients
- Migrated Shopify theme and custom coded new theme sections such as the about section and company timeline for shoe company with HTML
- Conducted quality assurance testing for energy gummy startup

Leadership

Smithies in CS - Hackathon Chair and Corporate Outreach Chair

- Hackathon Chair: organized SmithHacks hackathon for Fall 2023, managed and communicated with Smithies in CS board
- Corporate Outreach chair: researched potential corporate sponsors and communicated with companies, created sponsorship package and pitch deck for hackathon