

# HENOK DAWITE

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## EDUCATION

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**Pomona College**, Claremont, California

*EXPECTED May 2027*

Bachelor of Arts: Computer Science and Mathematics, GPA: 3.82

**Relevant Coursework:** Computing in Python, Discrete Math & Functional Programming, Data Structures and Adv Programming, Linear Algebra, Combinatorial Mathematics, Principles of Real Analysis, Statistical Linear Models, Data Science in R

## TECHNICAL SKILLS

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Languages: Java, Python, HTML/CSS, JavaScript, Haskell, SQL, R

Frameworks/Libraries: React.js, Flask, Node.js, Streamlit, scikit-learn, NumPy, Pandas, Matplotlib

Technical/Software: Git, Jupyter Notebook

## WORK EXPERIENCE

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**Black & Brown in Computer Science (BBICS)**, Claremont Colleges

*April 2025 – Present*

*Coordinator*

- Manage and coordinate programming for a student-led DEI organization, including speaker events, technical workshops, and mentorship initiatives that support Black and Brown students in computer science
- Collaborate with faculty, staff, and external partners to advocate for inclusive curriculum changes and increase representation in CS-related opportunities and spaces

**Associated Students of Pomona**, Pomona College

*January 2024 – March 2025*

*Office Assistant*

- Manage daily operations and provide administrative support, including handling financial transactions for over 250+ student organizations, processing event registrations, and maintaining office records
- Communicate with students to address inquiries and improve access to campus services, such as lost and found, event coordination, and discount ticket programs

## TECHNICAL PROJECTS

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**P-ickup** | React.js, Flask, Python, scikit-learn, Supabase

- Designed and implemented KNN and K-means models to optimize rideshare matching using real-time Uber, Lyft, and Aviation Stack API data
- Integrated AI models into a React.js and Flask-based platform, enhancing prediction accuracy and user experience
- Refined machine learning algorithms through iterative testing, user feedback, and continuous model tuning for better performance

**Pomona Laundry Machine System** | React.js, HTML/CSS, Jinja2

- Developed the front end of a Flask web app in a team of 4 for monitoring Pomona College laundry machines
- Integrated RESTful APIs for real-time machine status updates and improved data flow between the front and back end
- Enhanced user experience by providing an intuitive interface with clear machine availability indicators, minimizing wait times, and optimizing machine usage.

## CAREER DEVELOPMENT & INVOLVEMENT

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**Management Leadership for Tomorrow**

*March 2025 – Present*

*Career Prep Fellow*

- Accepted into a selective 18-month professional development program for high-achieving diverse talent
- Complete business case studies and assignments to grow leadership and technical skills
- Attend conferences hosted by industry leaders such as Deloitte, LinkedIn, and Adobe

**ColorStack**

*January 2025 – Present*

*Fellow*

- Actively contributing to a nationwide community of Black and Latinx CS students through ColorStack, fostering peer support, networking, and representation in tech
- Taking initiative in technical workshops, mentorship sessions, and programs to grow as a leader and advocate for inclusive excellence in computer science

## INTERESTS

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Software Engineering, Machine Learning, Entrepreneurship, Data Visualization, Artificial Intelligence