

# Brandon Corona - Bhardwaj

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## EDUCATION

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University of California, Santa Cruz

( September 2021 - March 2025 )

B.S in Computer Science (3.6 GPA)

Relevant Coursework: *Data Structures and Algorithms, Computer Systems and C Programming, Python Programming: Abstractions, and Introduction to Software Engineering*

## EXPERIENCE

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Drupal Developer

( Nov 2023 - June 2024 )

[Arizona Department of Environmental Quality](#)

- Utilized VS Code, Drush, XAMPP, and phpMyAdmin for efficient Drupal administration, including cache resets, local admin login setup, and reliable testing.
- Developed multiple custom blocks using Twig and YAML in D10, deployed on several pages to enable users to **analyze household pollution prevention methods** and **provide daily air quality updates** for multiple Arizona cities via Weather API integration.
- Created a **testing matrix using a JSON file to validate** custom blocks developed prior to my tenure.
- **Collaborated with a cross-functional team of 3** to gather requirements, provide updates, and ensure project goals were met.
- **Documented and managed content migration strategies** to transition data seamlessly from D8 to D10.

**Skills Used:** XAMPP, SQL, phpMyAdmin, PHP, Drupal 8/9/10, Content Migration, YAML, Twig, Drush

Web Developer

( June 2022 - Nov 2023 )

[University of California, Santa Cruz](#)

- Used HTML, CSS, and Drupal 8 to develop new dynamic web user interfaces across admissions.ucsc.edu which **over 100,000 users** have visited. Edited **metadata** and improved page visits using **SEO optimization techniques**.
- Designed email templates using **Adobe Photoshop** which were sent to **over 50,000 prospective students**.
- Utilized **SQL to construct queries** that filtered **thousands of data records to curate mailing lists** for significant campus events.
- Updated and edited massive school databases containing significant data, such as student information, campus majors, sub plans, and departments. Worked using **Slate CRM**.

**Skills Used:** HTML, CSS, Drupal 8, SQL, Slate, Google TAG manager, Google Analytics, Database Management, and Adobe Photoshop

## PROJECTS

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ThruHiker Swift, Figma, Firebase, Python, APIs, Git <https://apps.apple.com/us/app/thruhiker/id6503459093>

- Developed ThruHiker, an **IOS app** that allows users to track their position virtually on real-world trails
  - Implemented **Apple health kit integration** which requested the User's current mileage.
  - Utilized **Python to scrape through JSON files** containing trail data provided by AllTrails
  - Debugged and created a map visualization using the **MapBox and Flickr API**.
  - Utilized **Firebase** for real-time data synchronization which is used for the leaderboard systemCollaborated with four other developers, **following typical scrum methodologies** such as biweekly **scrum meetings, team status reports, and proper documentation/charts**.

Chicago Wood Floor WordPress, WP Plugins, MAMP

<https://github.com/brandon-cor/chicagowoodfloor>

- **Designed and developed a responsive e-commerce website** for a fictitious business, Chicago Wood Floor
  - Implemented **WooCommerce and ACF** plugins to manage products, inventory, and orders, providing a seamless shopping experience.
  - Customized storefront using **HTML, CSS, and JS** to align with the brand's visual identity and enhance user experience.