

# Bryce Hills

<https://github.com/brycehills>

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## EDUCATION

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- **UC Riverside Undergraduate** Riverside, CA  
*Computer Science W/Business Applications; GPA: 3.62* *Aug. 2018 – Mar. 2021*
- **UC Riverside** Riverside, CA  
*Masters in Computer Science* *Sep. 2021 – Jun. 2023*

## EXPERIENCE

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- **The Battle Buddy Foundation** *Jan 2014 - September 2014*  
*Tech Support/Social Media Intern*
  - **Social Media:** Managed 4 different Social Media accounts. Made multiple posts daily from each account and gained a 10% increase in followers.
  - **Website Management:** Helped solve technical issues surrounding the e-commerce/donation platform on the organization's website.
  - **Technical Management:** Solved various administrative and user-account related technical issues to keep operations running properly.
- **Rushmore Superfoods** Dana Point, CA  
*Inventory Manager/Product Courier* *2014 - 2016*
  - **Inventory Management:** Tracked/Managed Log of current products located on site
  - **Delivery/Pickup:** Delivered/Received products to customer suppliers
  - **Stocking Inventory:** Organized/stocked new products on location
- **International Vitamin Corporation** Irvine, CA  
*Business Intelligence Intern* *Summer 2020*
  - **BI Migration Testing:** Creating, tracking, and reporting test cases for hundreds of BI reports
  - **BI Report Development:** Working with developers to create Power BI reports with data pipelines to report pertinent company info
  - **Power BI Design:** Proposing and implementing new design ideas to more effectively display company-wide data and information

## PROJECTS

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- **Feature Selection:** Python program that implements Forward Selection/Backward Elimination with K-nearest neighbor algorithm to find the best subset of features in a large data set. This program uses Euclidean distance to calculate the distance between data points and python Jit library to implement multi threading to speed up the process.
- **MLB Machine Learning Data Analysis:** A project that predicts the amount of home runs that will be hit by a MLB team in a season. Uses BeautifulSoup to scrape 5000 rows of MLB season data which is then combined into a pandas data frame for further mathematical analysis, training, and irrelevant feature reduction. Then linear regression and cross-validation are used/compared to predict the number of home runs a team will hit based off our trained data model.
- **Rshell:** A Linux command shell implemented in C++. Supports all Linux recognized commands with Connectors (and/or operators), I/O, piping, and redirection

## PROGRAMMING SKILLS

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- **Languages:** Python, Assembly, C++, C, SQL, Java **Technologies:** Jupyter Notebook, Doxygen, Waffle I/O, CLion, GitHub, VIM, Eclipse, Atom

AWARDS/CERTIFICATIONS

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- **Associate in Arts Degree - Economics** Saddleback College - August 12 2018
- **Associate in Science Degree - Computer Science** Saddleback College - August 12 2018
- **Bachelors in Science Degree - Computer Science** UC Riverside - Jun 2021