BEN MAXFIELD

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Education

Purdue University, West Lafayette, Indiana	May 2019
Bachelor of Science in Computer Science	GPA: 3.71/4.0
St. Xavier High School, Cincinnati, Ohio	June 2015
	GPA: 4.0/4.0

Experience

R&D Intern, 2 yrs | LexisNexis Group | Dayton, OH

- Implemented a proprietary natural language search algorithm using Elasticsearch. Worked with researchers to refine ranking algorithms and improve performance on in-house Elastic plugins, searching on the repository of 13 million case documents.
- Applied R and Tableau to analyze patterns in user analytics data retrieved dynamically from Elastic Search in order to create a model that identifies frustrated users.

Project Head & Software Dev. | Purdue IEEE Remotely-operated Underwater Vehicles | West Lafayette, IN

- Led and developed code on a team for a custom ROV to complete in the MATE international ROV competition. This year my BaseStation project team will create a progressive, web server controlled robot using an onboard Rasp. Pi. This allows us to use modern browser and server technologies to speed production and debugging.

Team Captain | FIRST Tech Challenge Team 4969 Robot-X | Finneytown, OH

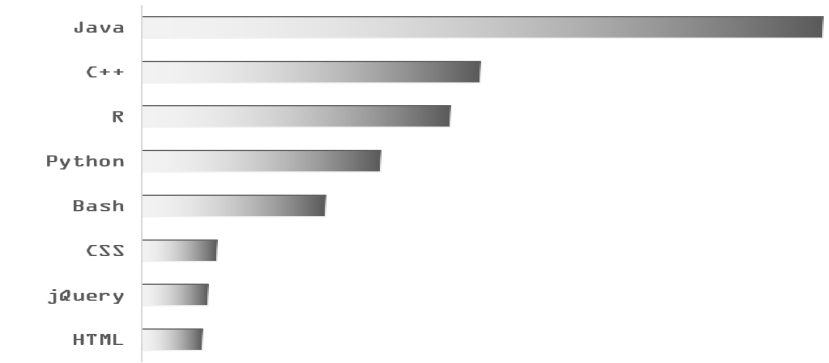
- Led the team of 10 members and operated the robot in competition.
- My responsibilities during development were to communicate with the Design Team on building requirements, develop a design for the implementation of the requirements, delegate and supervise the creation of the code using the Scrum methodology, and test and debug the code on the robot to ensure reliability.
- Team YouTube Channel: https://www.youtube.com/channel/UC2PAn_4ZjRgFEkqnHFQVDkQ

Computer Skills

Software:

- Git
- UNIX Terminal
- Linux
- Eclipse
- IntelliJ IDEA
- Tableau
- Microsoft Office Suite

Language Scale: Sum(ProjectPercentage * TimeSpentOnProject)



Extra-Curriculars && Projects && Honors

Purdue Hackers	Member and BoilerMake15 hackathon participant.
AWS qwiklabs Big Data Badge	Completed Amazon Web Services qwiklabs workshops to achieve their Big Data Badge: EMR, Beanstalk, VPC, S3, EBS.
Mathematics Honor Society	Mu Alpha Theta Initiate as of 2014.