BEN MAXFIELD

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Education

Purdue University, West Lafayette, Indiana	May 2019
Bachelor of Science in Computer Science	GPA: 3.83/4.0
St. Xavier High School, Cincinnati, Ohio	June 2015
	GPA: 4.0/4.0

Experience

R&D Intern | LexisNexis Group | Dayton, OH

- 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.
- Coordinated with other R&D software engineers and consultants to implement new user analytics metrics that I designed.

Embedded Software Developer | IEEE Remotely-operated Underwater Vehicles | West Lafayette, IN

- Develop code on a team for a custom ROV to complete in the MATE international ROV competition. The embedded team is tasked with programming multiple microcontrollers from multiple custom PCBs to complete timed competition challenges. My most recent project was writing a library to communicate with an MS5803 pressure sensor over I^2C.

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
- 2015 CAD Design Overview: https://www.youtube.com/watch?v=kTsrAMcafVE

Computer Skills

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

Language Scale: Sum(ProjectPercentage * TimeSpentOnProject)

Language	
Java	████████████████████
R	██████████████
C++	█████
CSS	█████
HTML	███
jQuery	███
Python	█

Extra-Curriculars && Projects && Honors

Purdue Hackers	Member and BoilerMake15 hackathon participant.
3D Optimization Project	Java 3D program calculates the optimal position of different sized balls in a cylinder for a maximum balls to height ratio.
Mathematics Honor Society	Mu Alpha Theta Initiate as of 2014.