BEN MAXFIELD

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Education

Purdue University, West Lafayette, Indiana Bachelor of Science in Computer Science May 2019 GPA: 3.71/4.0

Experience

IT Intern | Union Pacific Railroad | Omaha¬ NE

- Building publisher and subscriber in a pub-sub data notification application using SAP ABAP and Spring.
- Investigated equipment failures by performing survival analysis on parts. Identifying and providing an inspection recommendation for parts causing equipment downtime.

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 inhouse 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.

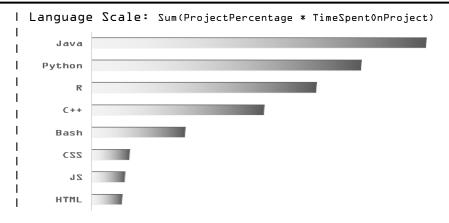
Software Captain | Purdue IEEE Remotely-operated Underwater | West Lafayette | West Lafayette | IN

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.

Computer Skills

Software:

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



Extra-Curriculars && Projects && Honors

papaya Android | Location sharing app for study groups, using an AWS server-less backend. Led team of 5 as Project Owner using Agile development.

Purdue Hackers | Member and BoilerMakel5 hackathon participant.

AWS qwiklabs | Completed Amazon Web Services qwiklabs workshops to achieve their Big Data Badge: EMR, Beanstalk, VPC, S3, EBS.

Mathematics Honor | Mu Alpha Theta Initiate as of 2014.