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| BEN MAXFIELD | 6581 Willow Dale Court, Hamilton, OH 45011 | | |
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Education

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

Experience

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|---|---|--------------------|
| IT Intern | Union Pacific Railroad | Omaha, NE |
| <ul style="list-style-type: none"> 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 |
| <ul style="list-style-type: none"> 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. | | |
| Software Captain & Developer | Purdue IEEE Remotely-operated Underwater Vehicles | West Lafayette, IN |
| <ul style="list-style-type: none"> Led and developed code on a team for a custom ROV to compete 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

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|--------------------------|---|-------------|
| Software: | Language Scale: Sum(ProjectPercentage * TimeSpentOnProject) | |
| • Git | Java | <div></div> |
| • UNIX Terminal | Python | <div></div> |
| • Linux | R | <div></div> |
| • SAP | C++ | <div></div> |
| • Eclipse | Bash | <div></div> |
| • IntelliJ IDEA | CSS | <div></div> |
| • Tableau | JS | <div></div> |
| • Microsoft Office Suite | HTML | <div></div> |

Extra-Curriculars && Projects && Honors

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|-----------------------------|--|
| papaya Android App | 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 BoilerMake15 hackathon participant. |
| AWS quiklabs Big Data Badge | Completed Amazon Web Services quiklabs workshops to achieve their Big Data Badge: EMR, Beanstalk, VPC, S3, EBS. |
| Mathematics Honor Society | Mu Alpha Theta Initiate as of 2014. |