**Joseph Biggins**

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**Education**

The University of Iowa**,** Iowa City, Iowa Anticipated December 2019

B.S.E. Computer Science and Engineering

Big Data/Data Mining, E.F.A.

**Skills**

* 3+ years of experience with Java, C/C++, Python
* 3+ years of experience in back-end development
* 3+ years of experience with Git, Github
* 1+ year of front-end development
* Highly skilled verbal and written communication skills

**Relevant Education and Course Work**

**Senior Electrical and Computer Design**

* Managed and lead a team of engineers to produce full operational products
* Designed, implemented ,and oversaw manufactured technically sound prototypes
* Communicated effectively to seamlessly delegate roles and instill teamwork

**Software Design**

* Designed extensible software by implementing various software design techniques
* Used Git and GitLab to create extensive documentation of current projects
* Improved verbal and written communication skills to convey essential information to team members

**Computers in Engineering**

* Explored and implemented fundamental programming techniques
* Developed skills to analyze large problems by breaking them down into various smaller problems
* Developed logic for line-following robot, with “road sign” recognition features, in C++ using 3pi robots

**Computer Science II: Data Structures**

* Explored various high-level data structures and their proper implementation
* Analyzed algorithms to determine run-time complexity and efficiency
* Used J-Unit to create extensive tests to provide sufficient evidence that a program functions properly

**Work Experience**

**Futures and Options Trading Intern,** T.H. Brokerage, Chicago, IL May 2018-August 2018

* Worked closely with brokers to deliver pivotal quantitative and qualitative market data
* Performed in-depth market analysis to optimize per trade profitability
* Collaborated cohesively with executives to facilitate and foster customer relations

**Engineer I,** Mostardi-Platt, Elmhurst, ILMay 2016-August 2016; May 2017-August 2017

* Ran experiments in accord with EPA standards
* Created software to evaluate numerous inputs and return reliable results
* Communicated seamlessly amongst teammates to diagnose and resolve problems

**Honors**

Honors College Admit May 2015

National Scholars Award August 2015

Electrical and Computer Engineering Scholarship August 2016