

Josiah S. Bruner, Software & Database Developer

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Objective

Computer science student with software development experience currently looking for summer software engineering internships in the Greater Detroit area. Particularly interested in intelligence (Machine Learning, Artificial Intelligence, Robotics, etc) and automotive industries.

Experience

HARMAN International / Software Engineering Intern (Navigation)

May 2016 - PRESENT, NOVI, MI

- Worked on Navigation systems for high-end, QNX-based, automotive infotainment systems.
- Designed, built, and supported an internal navigation testing infrastructure that caught several critical crashes.
- Developed automated test cases using the testing infrastructure to catch and reproduce many bugs.
- Developed a code performance analysis library for use in several projects.
- Performed bug analysis and developed fixes for customer projects.
- Worked with other engineers to diagnose and develop fixes for critical issues.

Lathrup Industries / Software & Database Developer

JANUARY 2015 - SEPTEMBER 2016, NOVI, MI

- Co-created Lathrup's internal database system (using Intuit's QuickBase service). Built API wrappers for various languages to be used in many in-house applications. System valued at \$200,000 / year.
- Found a security vulnerability in a third-party's server-side document generator application and replaced it with a client-side, in-house version. This saved the company >\$1000 / year.
- Created an automation server which performs various tasks for the company automatically. This reduced work employees were required to perform and increased procedural reliability, valued at > \$55,000 / year.
- Designed and implemented the company's website. lathrupindustries.com
- Built various in-house applications used with our database. This included a time clocking system used by all employees and a task management system.

Education

The University of Michigan / College of Engineering / Computer Science

CURRENT - APRIL 2018, Ann Arbor, MI

Currently a junior computer science student at the University of Michigan. Previously Washtenaw Community College (Dean's High Honor Roll). Focus on intelligent systems and security.

Potentially Relevant Classes (*italics indicates currently enrolled*)

CS: Intro To Programming, Programming and Data Structures, Discrete Math, Data Structures and Algorithms, Intro to Cryptography. *Intro to Computer Organization. Foundations of Computer Science. Intro to Computer Security.*

Mathematics: Calc I, II, III, Linear Algebra, *Differential Equations.*

Statistics: Intro to Probability and Statistics

Platforms/Languages/Tools/Industries

C++, C, Javascript, Unix, Windows, OS X, QNX, Bash, HTML, CSS, Automotive, Navigation