

# Nicholas Graves

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## Objective:

Obtain a challenging internship where I can develop my technical skills and improve the lives of others.

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## Skills:

- *Languages:* Java, C, Assembly, Python, Matlab, Batch, Bash, JavaScript, HTML/CSS
  - *Expertise:* Object-oriented design and programming, shell scripting
  - *Software:* Git, MKS Source Integrity, Eclipse IDE, Emacs, Microsoft Office
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## Education:

### Georgia Institute of Technology

August 2013-Present

*Atlanta, GA*

- Candidate for Bachelor of Science in Computer Science
  - Junior Standing
  - Cumulative GPA: 4.00
  - Projected Graduation: Spring 2016
  - Artificial Intelligence and Devices Concentrations
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## Experience:

### Bioinformatics Research Assistant

September 2014 – November 2014

*Clifford Lab (Emory University), Atlanta, GA*

- Developed and implemented an automated system for extracting patient medical records.
- Extended analysis code to cover average heart rate and respiratory rate.
- Documented legacy code and established sustainable documentation practices.

### EBS Software Engineering Intern

May 2014 – August 2014

*Continental Automotive Systems, Inc., Auburn Hills, MI*

- Developed tools to aid in functional safety by checking ECU values against specifications.
- Refactored existing codebase through object-oriented design and removing code duplication.
- Created a Java framework for rapid tool development to reduce time writing boilerplate code.
- Developed tool under consideration for SAE World Congress in 2015.
- Ensured compliance with ISO 26262.

### Volunteer Tutor

January 2013 – June 2013

*William H. Rogers Elementary School, Pontiac, MI*

- Provided academic assistance to under-resourced students.
  - Offered accelerated math and science programs.
  - Specialized in basic algebra and physics (mechanics and electricity).
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## Projects:

### Cleat

June 2014 – Present

*Command Line Self-Extending Text Editor*

- Ability to change own Python source code and define macros in the editor.
  - Command-based editing instead of navigational editing.
  - Designed to rapidly edit and create short Batch files and other scripts.
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