

# JAMES COLEMAN GIBSON

GitHub/Stack Exchange: jcolemang  
gibsonjc@rose-hulman.edu  
269-254-7340

<b>OBJECTIVE</b>	<i>To obtain a challenging summer internship where I can meaningfully participate in a substantial programming project</i>	
<b>EDUCATION</b>	Bachelor of Science, Computer Science Minor in Mathematics Rose-Hulman Institute of Technology GPA 3.81	May 2018
<b>EXPERIENCE</b>	<b>Intern</b> <i>Beckman-Coulter</i>	June 2016 – Aug 2016
	<ul style="list-style-type: none"><li>• Researched web technologies for a future Beckman-Coulter product</li><li>• Used Angular2, RxJS, TypeScript to build a front-end prototype</li><li>• Distributed MongoDB, OrientDB for high availability</li></ul>	
	<b>Developer</b> <i>Rose-Hulman Ventures</i>	Dec 2015 – May 2016
	<ul style="list-style-type: none"><li>• Developed and maintained workers' compensation website</li><li>• Wrote software used by paying clients</li><li>• Python, Javascript, HTML, jQuery</li></ul>	
	<b>Teaching Assistant</b> <i>Rose-Hulman Computer Science Department</i>	Sept 2015 – Current
<b>PROJECTS</b>	<ul style="list-style-type: none"><li>• Guided students through important beginning programming concepts</li><li>• Utilized multiple communication styles to reach different individuals</li></ul>	
	<b>Programming Assistant</b> <i>Operation Catapult</i>	June 2015 – Aug 2015
	<ul style="list-style-type: none"><li>• Lectured and assisted students with their first programming project</li><li>• Worked full time with a professor and another assistant</li></ul>	
	<b>"Dream Career" Website</b> <i>Intro to Database Systems</i>	Mar 2016 – May 2016
	<ul style="list-style-type: none"><li>• Worked on a team of three to construct a website for final project</li><li>• Designed database schema and wrote SQL transactions</li><li>• C#, ASP.NET, SQL Server</li></ul>	
	<b>Handwritten Digit Classification</b> <i>Data Mining</i>	Jan 2016 – Feb 2016
	<ul style="list-style-type: none"><li>• Classified user input with neural network trained on MNIST dataset</li><li>• Wrote a DBSCAN C extension for Python to segment text</li><li>• Managed project with two other developers</li></ul>	
	<b>Processor Design</b> <i>Computer Architecture I</i>	Oct 2015 – Nov 2015
	<ul style="list-style-type: none"><li>• Created and tested stack based multicycle processor using Xilinx</li><li>• Wrote processor emulator and assembler GUI to test our design</li></ul>	
<b>ADDITIONAL</b>	Vice President of Astronomy Club Experience with $\text{\LaTeX}$ Linux as primary OS Notable upcoming classes include Programming Language Concepts, Operating Systems, Software Design, Software Requirements Engineering	