JAMES COLEMAN GIBSON

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OBJECTIVE

To obtain a challenging summer internship where I can meaningfully participate in a substantial programming project

EDUCATION

Bachelor of Science, Computer Science May 2018
Minor in Mathematics
Rose-Hulman Institute of Technology
GPA 3.81

EXPERIENCE

Intern *Beckman-Coulter* June 2016 – Aug 2016
- Researched web technologies for a future Beckman-Coulter product
- Used Angular2, RxJS, TypeScript to build a front-end prototype
- Distributed MongoDB, OrientDB for high availability

Developer *Rose-Hulman Ventures* Dec 2015 – May 2016
- Developed and maintained workers' compensation website
- Wrote software used by paying clients
- Python, JavaScript, HTML, jQuery

Teaching Assistant *Rose-Hulman Computer Science Department* Sept 2015 – Current
- Assisted in Intro to Software Development and Intro to Computer Systems
- Guided students through important beginning programming concepts
- Utilized multiple communication styles to reach different individuals

Programming Assistant *Operation Catapult* June 2015 – Aug 2015
- Lectured and assisted students with their first programming project
- Worked full time with a professor and another assistant

PROJECTS

"Dream Career" Website *Intro to Database Systems* Mar 2016 – May 2016
- Worked on a team of three to construct a website for final project
- Designed database schema and wrote SQL transactions
- C#, ASP.NET, SQL Server

Handwritten Digit Classification *Data Mining* Jan 2016 – Feb 2016
- Classified user input with neural network trained on MINST dataset
- Wrote a DBSCAN C extension for Python to segment text
- Managed project with two other developers

Processor Design *Computer Architecture I* Oct 2015 – Nov 2015
- Created and tested stack based multicycle processor using Xilinx
- Wrote processor emulator and assembler GUI to test our design

ADDITIONAL

Vice President of Astronomy Club
Experience with LaTeX
Linux as primary OS
Notable upcoming classes include Programming Language Concepts, Operating Systems, Software Design, Software Requirements Engineering
Hobbies include art history, photography, reading, running