

Greg Cowan

Computer Science student looking for engaging software internship

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EDUCATION

Rensselaer Polytechnic Institute (RPI), Troy, NY - *Computer Science*

Freshman - Class of 2019

Nearly a year ahead of course requirements. Completed major courses: Computer Science I, Data Structures. Current major courses: Computer Organization, Foundations of Computer Science. Major GPA: 4.0 Overall GPA: 3.25. Active participant in Outing Club.

Hollis Brookline High School, Hollis, NH — *June 6, 2015*

SEPT 2010 - JUNE 2015

Perfect Score of 5 on AP Computer Science test. 4.1 GPA, 730 Math SAT, 710 Reading SAT. Varsity Rowing Team (stroke seat 8+). Life Rank in Boy Scouts.

EXPERIENCE

Computer Science dept. of RPI, Troy, NY — *Tutor / TA*

January 2016 - Current

I teach computer science students: data structures, software design, debugging skills, C++ and Linux command line.

G. H. Bass & Co, Merrimack, NH — *Sales Associate*

Summer of 2015

As a sales associate, I worked on a team to keep the store functional and organized while conducting sales and providing customer service.

FIRST Robotics Team 1073, Hollis, NH — *Software Mentor*

SEPT 2014 - June 2015 Senior Year

FIRST offers teams of high schoolers the chance to build a robot to compete at an unique game. I helped younger students with software design and programming of Java GUIs, C++ robot code including: autonomous programs, feedback loops, Joystick UI, and interfacing to a separate Arduino. I was a software team representative on the overall design team.

Software VP SEPT 2013 - June 2014 Junior Year

My junior year as the VP of the Software team I worked to communicate between the software team and the strategy, electrical, and mechanical teams. I lead the design and architecture of Java and C++ robot code. And, I personally debugged network and robot CPU performance issues during competition. In addition, I maintained team-wide source control repositories using Github.

Member of Software Team SEPT 2010 - June 2013 8th-10th Grade

As a member I programmed various projects including: C# GUI to display information to robot drivers using a custom UDP networking system, image processing to detect objects from the robot's camera, autonomous operations utilizing sensor data and dynamic control flow.

Programmer for FIRST LEGO League Team SEPT 2005 - Dec 2010 2nd-8th Grade

As the programmer for my FLL team, I wrote autonomous control code for Lego Mindstorms robots using ROBOTLAB. I also made a custom UI so that robot operators could run sequential operations without having to find individual programs on the standard alphabetical list and added the ability to re-run programs, which allowed the team to compete successfully.

SKILLS

C, C++, Java, Python, C#, Javascript, Haskell, Bash, Assembly

Windows, Linux, Android, Git

Team leadership, Teamwork, Problem Solving, Communication

AWARDS

Excellence in Computer Science at Hollis

Brookline High School, only recipient 2014

Best Health and Fitness

App at Hack MIT Hackathon 2014 for Ransom

Best Presentation at

Phillips Exeter Hackathon 2014

CERTIFICATIONS

First Aid and CPR / AED National Safety Council OCT 2015 - OCT 2017

REFERENCES

Upon request.