October 13, 2014

Hello, I am Jacob Buckheit. I currently attend the Community School of Naples as a junior. Throughout my high school years I have developed a strong interest in computer science. With the support of our school administration, a fellow student Craig Schwerin, and I would like to found a locally held computer programming competition. Craig and I feel this is a superb opportunity to increase community awareness of the local technology industry, and to foster the growth of computer science interests in the students of Collier County and surrounding areas.

The competition will be held on March 28th in the Community School of Naples Field House. Parking will be provided onsite. There will be no entry fees for the competition. Schools will be able to field as many individuals or teams as they desire: each team consisting of two to four members. The competition will begin at 8:00, and the exact schedule for the day will be provided as the competition date approaches.

The competition will consist of three rounds, one round for warm up, one quick problem solving round, and one advanced real world programming problem. These problems will emulate real world challenges faced by work-force programmers every day. Local technology businesses and local programmers will be involved in the creation of these problems. Teams will be scored, and awards will be given to recognize victors and excellence in programming. Additional awards and prizes will be announced as the competition date approaches.

In addition to the competition, local technology companies will be asked to showcase how they utilize technology in their company. Students attending the competition will have access to a tradeshow atmosphere, highlighting exactly how technology is used in our real world community today.

With this competition, Craig and I hope to create a new tradition in Southwest Florida. With the nearest programming competitions being hosted outside of our local area, we feel it is important to enable local students to take part in a fun and exciting day to see how their skills and interests will make an impact on the immediate community. We would like to open this competition to all students who have an interest in computer science in Collier County and its surrounding areas, and I have contacted you to ask for your help in completing this task. We would like to schedule a meeting with you to discuss next steps. If there is more information needed, or someone else we should be in contact with, please let us know. We will be in touch via phone call as follow up.
Thank you for your time and consideration.

Sincerely,
Jacob Buckheit and Craig Schwerin

Community School of Naples
Computer Programming Competition

Date: Saturday, March 28, 2015

Location: Community School of Naples
Moe Kent Fieldhouse
13275 Livingston Rd
Naples, FL 34109

Participants: Open to all students who have an interest in Computer Science in Collier County and its surrounding areas

Equipment: Apple iMac computers will be provided for each team with a standard keyboard and two-button mouse. Programming languages provided will be Java, C, C++, Python, and possibly Apple's Swift and Objective-C languages.

Format: Three Rounds of Competition
❖ Warm Up – Not scored
  - Tutorial round to familiarize participants with the computers
  - Demonstrate automated submission and grading software
❖ Quick Problem Solving – Main Scoring Round
  - Eight to twelve challenging word problems
  - Stimulating advanced algorithmic thinking and planning
  - Programmable using structures and methodology which students will learn in the AP Computer Science A subset of the Java Language
  - Sample problems will be released for practice at least one month prior to the date of the competition.
❖ Advanced Real World Programming Problems – Scored Round
  - Solve problems created by local technology businesses to emulate real world challenges.
  - Demonstrate the ability to draw out pseudo code, work as a team, and solve a problem within a deadline

Awards: The competition will conclude with an award presentation to recognize excellence in computer programming.

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