Nathan St. Amour

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Objective

Summer internship possibly leading to full time positions in Computer Science. My interests are in designing correct, efficient software and bioinformatics preferably in a team environment.

Education

Bachelor of Science in Computer Science; Expected graduation: May 2018
Major GPA 3.466/4.00
Cumulative GPA 3.347/4.000

Notable Coursework

Software Verification, IOT & Wireless Networking, Data Mining, Algorithms.

Languages

C++, Python, Coq; understanding of: $C^{\#}$, Perl, SQL, HTML, Java Script and CSS

Tools

Proficient with Linux, Latex, Emacs and Git; understanding of Visual Studio.

Affiliations

ACM Ohio University chapter of the Association for Computing Machinery

- Perform essential tasks as treasurer. This includes: writing proposals to acquire funding for events, handling budget and reimbursements for day to day expenses and organizing fund raising projects.

- Placed well in a competative setting after solving a problem with a team at ICPC 2015. ICPC is a collegiate programming contest where a team works to solve challenging programming problems.

Professional Experience

Undergraduate Research, with Dr. Gordan Stewart
Verification:
Working to develop a verified implementation of graphs and graph algorithms in the theorem prover Coq. Beginning to collaborate with other students after teaching the theorem prover.

Research Assistant, Vis lab Ohio University
Bioinformatics:
Used open source software and custom programs to sequence the genome of a red algae, *Balbiania nvestiens*. This was after working with a team to determine how to sequence the genome. Currently involved in writing a paper to be submitted for review in a few months.