Ethan Vu

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EDUCATION

Virginia Polytechnic Institute and State University , Blacksburg, VA
B.S. in Computer Science, expected December 2017
GPA: 3.38 overall, 3.47 in-major
Deans List (Spring 2015, Spring 2016, Fall 2016 w/ Distinction, Spring 2017)
Member of Programming Team and Hackers @ VT

Major Subjects
Data Structures and Algorithms
Software Design
Database Management Systems
Computer Systems
Data and Algorithm Analysis

PROJECTS

Web Accessible Database in PostgreSQL and PHP   February 2017 - April 2017
   Worked in a team to create a web-accessible database that held information about 1.4 million publications. I focused on designing the database by creating ER diagrams and using normalization techniques.

Simple Web Server in C   April 2017
   Implemented a basic HTTP web server that provided access to web services and files. Implemented persistent connections for multiple, simultaneous clients as per HTTP/1.1 protocol.

Memory Manager in Java   September 2016 - December 2016
   Created data structures such as hash tables, buffer pools, parent pointer trees, B+-trees, graphs, and linked lists in order to store a lot of data so that it could be retrieved and manipulated quickly. Minimized coupling and maximized cohesion of classes that made up the data structures to make debugging and testing easier.

Market Catalog in Excel   November 2016 - December 2016
   Worked in a team to build tools for Taproot Botanical Alliance to help its business run better. My duty was to consult with the client and customize catalog functionalities to his specifications. Gave presentation to the client about how the tools features and how they worked.

Personal Website   July 2016
   Self-taught HTML, CSS, JavaScript, and jQuery to build a website and used GitHub as a host. Learned about Git workflow and project management.

Music Survey Data Visualization in Java   April 2015 - May 2015
   Developed a GUI and used insertion sort and linked lists to visualize survey data. Worked in a team to divide up project and speed up development. Heavily used debugging to iron out bugs.

SKILLS

Java, C, Python, PostgreSQL, HTML, CSS, JavaScript/jQuery, LaTeX
Windows, Linux
OO programming, testing, debugging, relational databases, algorithm analysis
Quick learner
Vietnamese, Spanish

WORK EXPERIENCE

Crew Member at Little Caesars   May 2015 - August 2015
   Performed tasks efficiently, interacted with customers, and communicated with coworkers frequently.