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# DAT A. STRUCTURES

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| <b>EDUCATION</b>        | <b>CARNEGIE MELLON UNIVERSITY</b> Pittsburgh, PA<br>Bachelor of Science in Electrical and Computer Engineering<br>Overall GPA: 3.37/4.00<br>MAY 2018   |
|                         | <b>NASHUA HIGH SCHOOL</b> Nashua, NH<br>High School Diploma<br>Overall GPA: 3.80/4.00<br>Rank: 5/196<br>JUNE 2014  |
| <b>RELEVANT COURSES</b> | Electrical and Computer Engineering*    Mechanical Engineering and Physics<br>Differential Equations    Introduction to Data Structures *<br>Calculus in Three Dimensions    * Spring 2016   |
| <b>SKILLS</b>           | <b>Programming Languages:</b> Python, JavaScript, CoffeeScript, JSON, C, SML, Java, HTML<br><b>Operating Systems:</b> Windows 8.1/10, MacOS X, UNIX<br><b>Software:</b> Microsoft Office, Matlab, Mathematica<br><b>Spoken Languages:</b> Spanish  |
| <b>PROJECTS</b>         | <b>Robot</b> , Robotics Institute    Spring 2015 <ul style="list-style-type: none"> <li>Constructed smaller circuits using a protoboard to power a beeper, LED, clock, memory chip, and two motors</li> <li>Combined circuits to create a mini programmable robot</li> <li>Programmed the robot to successfully complete a test course</li> </ul>  |
|                         | <b>15-112 Term Project</b> Fall 2014 <ul style="list-style-type: none"> <li>Strategy game implemented in Python based on Sid Meier's Civilization</li> <li>Functional opponent AI, resource gathering, civilization building, combat</li> </ul>  |
| <b>WORK EXPERIENCE</b>  | <b>O'CONNOR IRRIGATION</b> Nashua, NH<br><b>Irrigation System Installation Workman</b> Summer 2014 <ul style="list-style-type: none"> <li>Assisted Senior Associate with plumbing, head installation, Ditch Witch, trench digging, wiring, and programming</li> <li>Developed schematics using proper measurements and gauges</li> <li>Applied and spread appropriate amounts of loam and grass seed post-installation</li> </ul>  |
| <b>ACTIVITIES</b>       | <b>Varsity Soccer</b> , Carnegie Mellon University    August 2014 – present<br><b>Intramural Softball</b> , Carnegie Mellon University    2014<br><b>Intramural Doubles Table Tennis</b> , Carnegie Mellon University    2014<br><b>National Honor Society Secretary</b> , Nashua High School    2013 – 2014<br><b>Varsity Club President</b> , Nashua High School    2014<br><b>Varsity Soccer Captain</b> , Nashua High School    2014<br><b>Intramural Table Tennis Manager</b> , Nashua High School    Spring 2014 |
| <b>HONORS</b>           | Dean's List, College of Engineering: Fall 2014<br>Nashua High School Mathematics Award<br>Massachusetts Institute of Technology Book Award<br>U.S. Marines Scholarship<br>Who's Who Among American High School Students: 2012, 2013, 2014  |