

**EDUCATION:**     **University of Massachusetts, Amherst**  
                         **Bachelor of Science in Computer Engineering**

**Expected Graduation Date: May 2021**

**RELEVANT COURSES:**

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| • Intro Electrical & Comp Engin    | • Intro to Programming | • Intro/Digital and Computer Sys |
| • Computational & Analytical Tools | • Data Structures      | • Circuits and Electronics       |

**TECHNICAL / NON-TECHNICAL SKILLS:**

- Fluent(speaking) in Mandarin
- Arduino, Java, Python , MATLAB, Linux, Web Development

**PROJECTS/ RESEARCH:**

<b>Arduino Air Sensor</b> <ul style="list-style-type: none"><li>• Worked as a team to build an Arduino Air Sensor</li><li>• Designing the air sensor, connecting SD cards to sensors and retrieving data, soldering, 3-D printing</li></ul>	<b>Team Member</b>	<b>September 2017 – December 2017</b>
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<b>Fire Sprinkler</b> <ul style="list-style-type: none"><li>• Displaying information retrieved by sensors (heat &amp; humidity) on an Arduino LCD screen</li><li>• Programmed Micro-Controller to act as an intermediary between the sensors and the servo motor</li></ul>	<b>Myself</b>	<b>August 2018</b>
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<b>Control System for Water Treatment Plant</b> <ul style="list-style-type: none"><li>• Automate the system to intake data (environmental factors) to adjust the amount of chemicals and water flow time</li><li>• Data Entry and Analytics</li></ul>	<b>Team Member</b>	<b>September 2018 – Present</b>
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<b>Encryption/Decryption Data</b> <ul style="list-style-type: none"><li>• Using AES256, Hashing, and UTF-8 to encrypt information</li><li>• Securing information through computers to pass along “keys” for decryption</li></ul>	<b>Working under Professor</b>	<b>September 2018 – Present</b>
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<b>Election Security</b> <ul style="list-style-type: none"><li>• Using Little-Jil, a visual representation of a programming language, to map out the election process</li><li>• Finding faults in the system using computational tools and look for ways of improvement</li></ul>	<b>Working under Professor</b>	<b>September 2018 – Present</b>
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**EXPERIENCE:**

<b>UnitedHealth Group</b> <ul style="list-style-type: none"><li>• Build a graph database back-end to incorporate disparate sources of data</li><li>• Design a web application used to find valuable insights on call center data to reduce call volume</li></ul>	<b>Internship</b>	<b>June 2019 – Aug 2019</b>
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