

# Jacob R. Mitchell

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## Skills

- ❖ Experience modelling in CAD software: Autodesk Inventor, Onshape
  - ❖ Ability to safely operate and troubleshoot CNC devices (mainly 3D printers)
  - ❖ Familiarity with computer systems
  - ❖ Soldering and electronics experience
  - ❖ Experience programming in C (Arduino), C#, Lua, Java, and Python
  - ❖ Ability to communicate information concisely
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## Related Activities

- ❖ Project Manager of the 3D Printing Club at Germanna Community College
  - ❖ Returned to the SEAP Plus Program as a Team Mentor - 2017
  - ❖ Member of the National Technical Honor Society - 2017
  - ❖ Participated in the SEAP Plus Program at the Mary Washington Campus at Dahlgren - 2016
  - ❖ SkillsUSA Virginia Member - 2015-2017
  - ❖ Secretary of the LAVA Club: volunteer work and organizing events within high school
  - ❖ Successfully built a 3D printer from independently-sourced parts
  - ❖ Won 3rd place with a partner in a statewide robotics competition
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## Education

- ❖ **Germanna Community College** - Fredericksburg, VA
    - Attending for Associate's Degree in Mechanical Engineering
    - 2017-Present
    - Currently Enrolled Courses:
      - Calculus I
      - Intro to Engineering
      - Economics
  - ❖ **Massaponax High School** - Spotsylvania, VA
    - Advanced Studies Diploma
    - Robotics and Automation Technology - Technical Certificate
    - 2013-2017
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## Work Experience

- ❖ **Lab Assistant**
  - Germanna Community College - Fredericksburg, VA
  - Oct. 2017 - **Present**
  - Responsible for maintaining and orderly and clean engineering lab equipped with soldering stations, a CNC milling machine, several 3D printers, and a laser engraver. Focus placed on the 3D printers and milling machine, which need to be troubleshooted on occasion. Other office-like organizational work conducted.

❖ **Team Mentor**

- Naval Surface Warfare Center Dahlgren - Dahlgren, VA
- Jul. 17-26, 2017
- Team mentor for the students (mainly juniors/seniors in high school) participating in the SEAP Plus program. This is an alternate program held for the students that applied for a SEAP (Science and Engineering Apprenticeship Program) internship with the Navy. STEM Summer program where participants build and program an autonomous watercraft using PVC pipe as the construction medium and an Arduino microcontroller to program it. Assisted teams with the programming/coding side of the boat, since that was where I excelled when I participated the previous year.

❖ **Customer Service Associate**

- McDonald's - Fredericksburg, VA
- Nov. 2015 - May 2016 **and** July 2017 - Aug. 2017

❖ **Sales Associate**

- Kohl's Department Stores - Fredericksburg, VA
  - Oct. 2016 - Jun. 2017
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## References

Available in my *Work Experience Breakdown*, which was sent with this resume. The document is a descriptive recount of my work experience along with associated references.

If not sent with this resume, it can be found at this Google Docs™ link:

[https://docs.google.com/document/d/1uUgeHC87UDfL86CIUq-c86JJJ2He1x4wwvT0Zo\\_uCZw/edit?usp=sharing](https://docs.google.com/document/d/1uUgeHC87UDfL86CIUq-c86JJJ2He1x4wwvT0Zo_uCZw/edit?usp=sharing)