

# ANDREW KRONENBERG

(703) 887-0791 | [Andrewkronenberg@gmail.com](mailto:Andrewkronenberg@gmail.com) | Portfolio available upon request

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## EDUCATION

<b>B.S., Applied Engineering (Computer-Aided Drafting), Millersville University</b>	<b>Dec 2026</b>
<b>Associate in Technology, Applied Engineering Technology, Millersville University</b>	<b>Dec 2025</b>
<b>A.S., General Studies, Northern Virginia Community College</b>	<b>Dec 2019</b>

## TECHNICAL SKILLS

- CAD Software: SolidWorks, Autodesk Inventor, AutoCAD, Tinkercad
- Design & Manufacturing: Assembly modeling, technical drawings, blueprint reading, machining basics
- Tools: Microsoft Excel; SAP/MRP/ERP exposure, BOM workflows

## ENGINEERING EXPERIENCE

<b>Engineering Intern – Proteus Space</b>	<b>Summer 2025</b>
<ul style="list-style-type: none"><li>• Standardized and improved existing 3D CAD models for satellite components.</li><li>• Developed orientation standards to streamline design workflows.</li><li>• Automated repetitive processes using Python, reducing time required for model preparation.</li><li>• Streamlined prototyping and production preparation workflows.</li></ul>	

## ADDITIONAL EXPERIENCE

<b>Dining Services (Dishwasher / Catering Assistant) – Millersville University Dining Services</b>	<b>2023–Present</b>
<b>Security Guard – Dunbar Security Services</b>	<b>2021–2023</b>
<ul style="list-style-type: none"><li>• Monitored CCTV systems to detect and respond to security risks and incidents</li><li>• Controlled site access and managed traffic flow during maintenance operations</li></ul>	
<b>Security Patrol Officer – Securitas</b>	<b>2020–2021</b>
<ul style="list-style-type: none"><li>• Monitored surveillance systems (Milestone XProtect) across multiple sites</li><li>• Responded to alarms and incidents using Gallagher Command Centre and LenelS2</li><li>• Conducted remote oversight of construction activity to ensure compliance and progress</li></ul>	
<b>STEM Instructor / Assistant Instructor – Various Organizations</b>	<b>2014–2020</b>
<ul style="list-style-type: none"><li>• Taught students 3D printing, robotics, and basic programming concepts</li><li>• Delivered hands-on instruction using tools such as Minecraft and LEGO Mindstorms</li></ul>	
<b>Data Input Intern – Unanet</b>	<b>Summer 2017</b>
<ul style="list-style-type: none"><li>• Researched and organized business contact data into structured Excel datasets</li><li>• Supported marketing and finance teams with accurate data entry and record management</li></ul>	

## ENGINEERING COURSEWORK & SKILLS

- Computer-Aided Engineering Drawing (SolidWorks): 3D modeling, assemblies and technical drawings
- Advanced Drafting & Design: SAP/MRP/ERP systems and BOM workflows; self-taught Autodesk Inventor (mold design); delivered class instruction; exposure to Rhino, Revit, Onshape, and SolidWorks stress analysis
- Production Materials & Processes: Manufacturing methods, machining, blueprint interpretation