

# Orion Morrison

---

## Summary Of Skills

- Programming and operation of CNC mill, lathe, and EDM machines.
- Component design and manufacturing planning.
- Plan and manage team projects.
- Software: Autocad, ProEngineer, Smartcam, Nsee, Word, and Excel.

## Experience

1997-present      Western Washington University      Bellingham, WA

### Lab Assistant

- Design, manufacture, test, and assemble system components.
- Design and fabricate component test fixtures.
- Participate in system testing and data analysis.
- Draft technical papers on research achievements.
- Exhibit system advancements at conferences and technology fairs.
- Instruct students in machine operation and safety.

1997                      Western Washington University      Bellingham, WA

### Temporary Instructor

- Instructed upper level introductory CNC course.
- Topics included: machining centers, turning centers, EDM, G and M code programming, tooling, fixturing, feed and speed calculations, and CAM software.
- Supervised labs and maintained CNC machines.

1997                      Western Washington University      Bellingham, WA

### Senior project

- Participated in the design, fabrication, and testing of a waste paper recycling system.
- Drafted proposal for the forming process of the recycling system.

1996                      Boeing    Everett, WA

### Intern

- Used CAD software(Catia) to merge modeled parts with tooling, performed clearance checks, and modified tooling to accommodate parts.
- Designed web pages for on-line documentation.
- Prepared process documentation notebooks.

## Education

Western Washington University                      Bellingham, WA

B.S., Manufacturing Engineering Technology

- Graduated Cum Laude, 3.8 GPA.
- Voted Outstanding MET Graduate by department faculty.

