

# Larry Williams Jr.

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## EDUCATION

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**St. Cloud State University**  
**Bachelor of Science**  
Major: Electrical Engineering

Saint Cloud, MN  
December 2016

**Dunwoody College of Technology**  
**Associate in Electronics Technology**

Minneapolis, MN  
June 2003

## RELEVANT COURSEWORK & SKILLS

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Electrical Engineering, Design of Integrated Circuits: Cadence

- Used Cadence to simulate and analyze transistor level multiplexer

Electrical Engineering, Advanced Analog Electronics: LTspice

- Used LTspice to design and implement switch-mode power supply

Electrical Engineering, Senior Design: Circuit Analysis

- Relied circuit analysis abilities to design and implement signal generators, signal filters, and power supply

## PROFESSIONAL EXPERIENCE

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**Manufacturing Technician**

*April 2017—Present*  
*Shoreview, MN*

**TSI Incorporated (The Right Staff)**

- Used diagnosing and troubleshooting skills to perform electrical and mechanical repairs
- Verified Condensation Particle Counters, Electrostatic Classifiers, and Differential Mobility Analyzers functioned correctly
- Coordinated with other technicians and engineering staff to develop solutions for optical and electrical problems
- Effectively applied 5S and Lean Manufacturing principles to the production floor and work areas

**Customer Experience Manager**

*August 2005—April 2017*  
*Brooklyn Center, MN*

**Sears Auto Center**

- Applied electronic knowledge and experience to assist technicians with diagnosing electrical problems
- Collaborated closely with technicians to develop effective repair solutions
- Demonstrated strong interpersonal skills by providing quality customer service
- Successfully improved profitability of store by exceeding annual sales goal by 8 percent

**Avionics Technician**

*December 2003—August 2005*  
*Inver Grove Heights, MN*

**Airbase Services Inc.**

- Solved electronic problems using component level troubleshooting and performing system testing
- Completed repairs while implementing industry and FAA safety regulations
- Prepared diagnostic reports and maintained an updated log of repairs
- Interacted with other staff members to form new ideas to improve efficiency and overall quality

## CAMPUS INVOLVEMENT

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**Active Member**

*August 2013—December 2016*  
*St. Cloud State University*

**National Society of Black Engineers**

- Worked with a team of students to raise funds for a wind turbine project
- Participated in multiple networking events and workshops while attending the national convention in California

**Active Member**

*August 2016—December 2016*  
*St. Cloud State University*

**Institute of Electrical and Electronics Engineers**

- Engaged in forums and discussions presented by key engineering thinkers and companies associated with the University

## VOLUNTEERING

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**Participant**

*October 2013*  
*Minneapolis, MN*

**Great River Greening**

- Joined a group of students to restore a local forest to its natural state

## TECHNICAL COMPETENCIES

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- Languages: Arduino, Assembly, C++, Java, Matlab, Verilog, Ladder Logic, PLC Theory
- Projects: Frequency Controlled LED Lighting System via Power-Line Communication, AM Radio Receiver, Switched-Mode Power Supply, Half Adder, Instrumentation Amplifier

- Operating Systems: Windows, Linux
- Software: Cadence, LTspice, Pspice, SAP NetWeaver, Tera Term
- Microsoft Office: Word, Excel, PowerPoint