StarVision Technologies, Inc.

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StarVision Technologies, Inc.

- Privately held local startup
- Spin off of TAMU System (STC – NASA funded research & commercialization center)
- State-of-the-art facility
  - Optical Design & Test Lab
  - Class 100/1000 Clean room for manufacturing space qualified hardware

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# Product Development Cycle - Overview

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- **Parametric and Design Trades**
  - **IR&D**
    - Technology Licensing
    - TAMU, CMU, etc
  - **Govt Contracts**
    - MPEG2
    - LandingNav
    - AARS
    - SpeedStar
    - QuickShot
    - iDART
    - Etc, etc, etc
Personnel View for Success

- **Skills**
  - Technical
    - Programming
    - Strong Math
    - Systems Engineering
  - Soft
    - Both verbal & written communications
    - Time & task management

- **Traits**
  - Discovery
  - Accountable
  - Driven
JZ Background

- **ENTC**
  - Student interest
  - Applied research
  - UG TA

- **NASA Fellowship Program**

- **STC**

- **SVT**
  - Jr FPGA Engineer
  - Sr FPGA Engineer
  - PM & Sr FPGA Engineer
  - PM & Lead FPGA Engineer

Graduated Dec. 03

5 years

Salary Doubled!

- Like a sports game, take care on the field and the score will take care of itself.
JZ Role

- Lead FPGA Engineer
  - VisNaV
    - DO-254, DO-178B
    - Xilinx Virtex-4
    - 100 Hz output solution
    - Real-Time processing
  - StarCam
    - Space Qualified
    - 100 Hz output solution

- VN Project management
  - $ 900 K
  - Delivered
    - AARS Prototype - Flown at YUMA Proving Ground in Arizona
    - 2 units to TAMU – Dr. John Hurtado in Department of Aerospace Engineering
    - 1 unit delivered to Cobham
Trades Summary

- **Good**
  - Software
  - Hardware
  - Whole system
  - Making it work
  - New Challenges

- **Bad**
  - Sometimes standard 40 hours sometimes overtime
  - Becomes difficult to keep a day-to-day technical development

  ▪ **Allows for a bigger & bigger impact**