

## **Curriculum Vitae**

Mr. Valdez L. Gant  
5001 North MacArthur Drive, Irving, TX 75038  
972-273-3500  
vgant@dcccd.edu

### **Education**

Southern University and A&M College (SUBR), 2005.

Masters' of Science in Pure and Applied Mathematics

Thesis: "The First Isomorphism Theorem for Vector Spaces with an Application to Systems of Linear Equations"

Southern University and A&M College (SUBR), 2002

Bachelors' of Science in Electrical Engineering (with Honors)

Thesis: "A Study of Audio Electronics and Discrete Audio Amplifier Design"

### **Teaching Experience**

NORTH LAKE COMMUNITY COLLEGE, Irving, Texas, 2011-present

Adjunct Math Instructor – Math 0090, 0091, 1314, 1316, and 1414

Teaching college algebra course, a lecture-online hybrid consisting of lecture, personal instruction, and modified emporium method. Utilized TI-84 calculator in class to illustrate class examples.

DALLAS COUNTY COMMUNITY COLLEGE DISTRICT, Dallas, Texas, 2008-2011

Adjunct Math Instructor – Math 0090, 0091, 1314, 1316, and 1414

Teaching college algebra course, a lecture-online hybrid consisting of lecture, personal instruction, and modified emporium method. Utilized TI-84 calculator in class to illustrate class examples.

UNIVERSITY OF DALLAS, Dallas, Texas, 2009-present

Adjunct Instructor – Pre-Calculus and Calculus II.

Designed Calculus II and Pre-Calculus course and syllabus. Used engineering, financial, and investing examples to convey math concepts. Utilized TI-84 calculator in class to illustrate examples.

C&V TECHNOLOGIES OF LOUISIANA, LLC, Baton Rouge, LA, 2003-2007

Mathematics Tutor - Basic Mathematics, Algebra, Geometry, Trigonometry, Calculus, Linear Algebra, Differential Equations, Intro to Real Analysis, and DC and AC Circuits.

## **Industry Experience**

*TEXAS INSTRUMENTS, INC., Dallas, Texas*

### **Product Engineer, Sustaining and New Product Development, Automotive, 2009-2010**

- Scheduled and managed all quality testing needed to release new automotive products.
- Released ten devices in 2010, utilizing knowledge of TS16949 standards in device release process.
- Completed 62 PE PPAP documents three months ahead of schedule.
- Captured and analyzed all leakage data for automotive products released.

### **Product Marketing Engineer, 2008-2009**

- Managed business development opportunities in Brazil, India, and Singapore automotive markets.
- Traveled to international markets for in-market research verification.
- Prepared RFPs, RFQs, and business plans for new business opportunities.
- Supported sales teams providing samples and collateral materials for MSA products.
- Contributed to product prototype and research of park-assist electronic system.

### **Product/Applications Engineer, Sherman and Dallas, Texas, 2003-2007**

- Designed schematic and layout of Evaluation Modules (EVMs) for USB-to-I2C protocol capability.
- Edited firmware source codes for TUSB3410 to facilitate USB-to-I2C conversion.
- Implemented GUIs for EVMs.
- Built, re-designed, tested, and debugged EVMs for feature products displayed on EVMs.
- Prepared supporting documentation to go with EVMs.
- Designed and documented digital filtering coefficient program for customers.
- Investigated out-of-band noise issues with delta-sigma CODECS.
- Wrote simple DSP filter program, using Matlab, to calculate DSP filter coefficients, such as LPF, HPF, and second-order comb and notch filters.
- Designed custom characterization test board for HP 4156 semiconductor parametric analyzer.

*DELPHI DELCO CORPORATION, Kokomo, Indiana*

### **RF Validation Engineer, 2003**

- Investigated reasons for non-correlating measurement data between engineering laboratory and outside contractor validation.
- Created general test procedure documentation for FUBA products.
- Correlated laboratory test setups between in-house and contractor.

**Audio Integrations Engineer, 2001- 2002**

- Designed schematic and layout for six-channel DSP amplifier.
- Conducted peer design review for DSP amplifier design.
- Researched basic information on various bus protocols, such as E&C, SAE J1850, and CAN.
- Formulated and presented plan to upgrade receiver test software in C.

*C&V TECHNOLOGIES OF LOUISIANA, LLC, Baton Rouge, LA, 2003-2008*

**IT Technician/Contracts Writer/Business Plan Writer** - Designed and installed WLAN and LAN networks. Aided in WLAN and LAN installation and troubleshooting, and Website verbiage consulting. Create and edited business plan. Prepared marketing packets and contract proposals.

**Papers / Publications:** n/a