

Jo'Vante Hills

6856 Horseback Ln, Raleigh, NC 27610
(225) 244-5723 • jovante72@gmail.com

OBJECTIVE

Engineer with 17 months of semiconductor manufacturing experience in R&D and process engineering. Seeking full-time as Trainee/Junior Developer.

EDUCATION

Southern University and A&M College
Bachelor of Science in Mathematics and Physics

Baton Rouge, LA
GPA: 3.82

WORK & LEADERSHIP EXPERIENCE

Wolfspeed Inc.

January 2021 – Present

Durham, NC

Etch Process Sustaining Engineer

- **Process owner, comprised of several toolsets, spanning front and back side substrate processing for HEMT devices.**
- **Utilizes SPC charts, data logs, back-end data and reliability test and optical/visual inspections to sustain processes effectively.**
- **Wrote queries to access process logs, yield data, and tool commonalities for problem solving needs.**
- **Assisted product teams with process development and improvement efforts. Resulting in, manufacturing procedural and OCAP documentation updates.**

Wolfspeed Inc.

May 2020 – August 2020

Durham, NC

Etch Process Engineer Intern

- Main project consisted of optimizing advanced plasma etching process for high-electron-mobility-transistor (HEMT).
- Lead several design of experiments (DOEs), resulting in over 140 experiments. Compiled data in JMP to determine maximum desirability's and intuitively presented data to various engineering groups.
- Final DOEs achieved 2-50% improvement in major response metrics when compared to historical POR data.

Cree Inc.

May 2019 – August 2019

Durham, NC

R&D LED Fabrication Intern

- Assumed lead on two man intern team for constructing a blue LED experimental build from a sapphire substrate.
- Achieved a relatively low VF of 3.7V. Potentially resulting in 50% decrease in lead time.
- Complied and analyzed chip performance data, and posed further steps to further optimize process.

Center of Research Excellence in Science and Technology

August 2018 – December 2018

Baton Rouge, LA

Research Assistant

U.S. Army, 82nd Airborne Division, 1st Brigade Combat Team

Fort Bragg, NC

U.S. Army, 173rd Brigade Combat Team

Grafenwöhr, Germany

First Line Supervisor/Company Communications Manager

Signal Support Systems Specialist

CERTIFICATIONS & TECHNICAL SKILLS

HTML • CSS • MSSQL • JMP Data Analysis • Fortran Programming • Google Data Analytics Foundations & Questions • Microsoft Office • Lean Six Sigma Yellow Belt • Hardware/Software installation • Soldering • ETA Certified Fiber Optics Installer • U.S. Army Parachutist • Secret clearance (2013)

HONORS & AWARDS

College of Sciences and Engineering Fall 2020 Student Marshall • Southern University and A&M College Fall 2020 Manga Cum Laude Graduate • Army Accommodation Medal (2014 & 2015) • AIT Honor Graduate