



# KRISTOPHER VINAS

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## OBJECTIVE

Graduating mechanical engineer, certified in robotics and aerospace, with a strong technology background, seeking a position in the engineering field, where I may apply my skills and knowledge.

## EDUCATION

**Florida International University, Miami, FL**

Graduation Date: Spring 2013

**B.S., Mechanical Engineering,** Tracts/Certifications: **Aerospace, Robotics**

**GPA: 3.04**

## SUMMARY OF SKILLS

- Mechanical and electrical component testing and troubleshooting
- AutoCAD, ANSYS, SolidWorks, FeatureCam, MasterCam
- Programming Languages including G-Code, TSQL, Visual Basic .Net, C#, Java , Arduino
- Manufacturing using equipment such as CNC, Mill, Lathe, Welder
- Fiberglass and Carbon Fiber Construction and Repair, Automobile mechanic, Material spray technician
- Expertise in procedure documentation based on enterprise standards and policies
- Client-server Technologies such as Linux, VMWare, SQL Server, Exchange, ImageNow, and TCP/IP networking
- Fluent in English and Spanish, Working knowledge of French

## PROJECT EXPERIENCE

**Florida International University**

**3/2011 - Present**

- Design, analysis, and manufacturing of ASME human-powered vehicle for competition
- Blended wing body business jet design
- Automated lawnmower design and prototype manufacturing

**Independent Projects**

**8/2008 - Present**

- Design and fabrication of trailer-less watercraft deployment system
- Design, simulation and fabrication of bi-folding exterior gate conforming to county code
- Design and manufacture of a Stainless steel camshaft for a manually-operated marine pump

## PROFESSIONAL EXPERIENCE

**Miami Dade College, Miami, FL**

**Operations Database Administrator**

**2/2012 – Present**

- Maintain availability and performance of multiple databases across 52 servers
- Install, configure, upgrade, and migrate Microsoft SQL Servers
- Create plans for disaster recovery, security, storage, and capacity planning
- Large volume data extraction, transformation, replication, across multiple environments

**Tik-Tok, Inc., Miami, FL**

**Founder / Senior Consultant**

**1/2007 – Present**

- Configure and maintain network, server, security, and technology infrastructure for businesses in South Florida
- Improve and streamline business processes using technologies such as VMWare, Windows Server, Microsoft Exchange, and SQL
- Manage the company and respond to advanced technical support issues (Consists of 3 employees)

**Miami Dade College, Miami, FL**

**Applications Development DBA**

**7/2011 – 2/2012**

- Developed and maintained SQL queries, SSIS packages, and dynamic reports for users, while documenting standard operating procedures and best practices
- Managed end-user and application security, and troubleshoot objects among separated Development, QA, and Production environments

**Senior Programmer Analyst / Group Manager**

**7/2008 – 7/2011**

- Led the Technical Services division District IT, a staff of 6, when troubleshooting hardware and software issues
- Managed departmental projects including an upgrade of the college-wide imaging system

**Programmer Analyst**

**10/2007 – 2/2008**

- Solved advanced problems for the Technical Services department as well as implemented new technologies and applications
- Troubleshoot and maintained ID card printers as well as documented scanners and inventory college-wide