BENJAMIN FOLKS

E: bfolks2@gmail.com • M: (630)-217-5872

1143 W Wrightwood Ave #1F, Chicago, IL 60614

https://github.com/bfolks2

APPLICATIONS-SOFTWARE ENGINEER

TECHNICAL SKILLS

• Python	• JavaScript/jQuery	• Bootstrap
• Django	• HTML/CSS	• Matlab

- Completed online Python/Django Full Stack Developer Bootcamp
- Created multi-application projects with Django/Python
  - Personalized website using all aspects of Full Stack Development: www.benfolks.com
  - Web app supporting user-generated content: http://bfolks2.pythonanywhere.com/
- Built stand-alone front-end and back-end applications using Full Stack
  - AngularJS SPA using external API: https://github.com/bfolks2/Angular-SPA-External-API
  - JavaScript/jQuery Connect Four, designed to interact with Document Object Model
  - Multiple Python projects encapsulating necessary tasks into functions/classes

---

PROFESSIONAL EXPERIENCE

• Microsoft Visual Studio	• VB.NET	• ESPRIT CAD-CAM
• VBA	• C#	• SolidWorks 3D CAD

DP Technology – ESPRIT • Rosemont, IL • July 2012 – Present

Developer of computer-aided manufacturing (CAM) software for a full range of machine tools

Senior Applications-Software Engineer

- Manage and Support customer-specific enhancement proposals from concept to finished product using Object Oriented Programming within the software API
- Utilize feedback obtained during trainings and consultations to plan and create additional VBA/VB.NET applications within the software API for improving software UI/UX
- Coordinate and conduct trainings in OOP directly with customers on utilizing the ESPRIT software's API and expression builder to increase automation and decrease necessary user-input
- Travel unaccompanied to out-of-state customer facilities in order to determine design methodologies necessary for a specific application

Noteworthy Achievements

- Created and managed Object-Oriented Programming projects from start to finish
  - Produced numerous VB.NET modules that ultimately became included within the base ESPRIT software installation package to increase automation of default technology settings and enhance overall UX
  - Designed direct-to-customer VB.NET Add-Ins for customer-specific applications outside of the base software's functionality
- Supervised 35+ onsite consultations directly with customers, amounting to over 130 days
- Consulted with numerous developers working in fast-paced environments, including Stryker Medical, Woodward Inc, US Army at Rock Island Arsenal, and NASA at Glenn Research Center.

EDUCATION

Bachelor of Science in Aerospace Engineering

UNIVERSITY OF ILLINOIS • Urbana-Champaign, IL • 2011

FAA Certified Private Pilot - Instrument Rating