

BENJAMIN FOLKS

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<https://github.com/bfolks2>

APPLICATIONS-SOFTWARE ENGINEER

TECHNICAL SKILLS

- Python
 - Django
 - JavaScript/jQuery
 - HTML/CSS
 - Bootstrap
 - 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
- VBA
- VB.NET
- C#
- ESPRIT CAD-CAM
- 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 direct with customers on utilizing the 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