Brandon Plubell

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# Summary

I am a self-motivated developer who loves making applications that directly improve user productivity. Learning is a crucial and enjoyable part of both my personal and professional life and is fueling my transition to a career as a developer.

# Experience

**Engineering systems administrator/developer** (Key Technology, Inc, Walla Walla WA) 2018 - present

* **Maintained installation scripts for all CAD and PDM systems**
* **Defined, architected, and worked on an updated calculator for vibratory conveyor design**
* Contributed as technical lead on implementing a new PLM system

**CAD and PDM administrator** (Key Technology, Inc, Walla Walla WA) 2015 - 2018

* **Developed tools for mechanical engineering to improve productivity and quality**
  + **Created SOLIDWORKS productivity macros using VBA (e.g. batch printing)**
  + **Created SOLIDWORKS PDM add ins for reduced errors and improved data quality using C# and WPF (e.g. validate file attributes)**
  + **Used Git and GitLab for source control and implemented CI with GitLab**
  + **Managed feedback, bug reports, and suggestions from users**
* **Coordinated upgrades and created installation scripts for SOLIDWORKS and SOLIDWORKS PDM**
* **Created scripts for monitoring license usage for effective capital investment**
* Helped engineers resolve SOLIDWORKS and SOLIDWORKS PDM problems

**Mechanical design engineer** (Key Technology, Inc, Walla Walla WA) 2011 - 2015

* Designed vibratory conveying equipment for food processing using SOLIDWORKS
* Worked with internal and external customers to coordinate schedule and design changes

**Challenge course director** (Sunset Lake Camp, Wilkeson WA) 2008 - 2010

# Education

**Bachelor of Science in Engineering** (Walla Walla University, College Place WA) 2006 – 2012

# Skills

* Microsoft Office suite (advanced)
* SOLIDWORKS, SOLIDWORKS PDM, and associated APIs (advanced)
* C#, VBA/VBS, SQL, WPF, PowerShell (intermediate)
* Git (intermediate)
* JavaScript, TypeScript, HTML, CSS, and ASP.NET Core (basic)
* Power BI Desktop (basic)