[henry.chladil@polymathian.com](mailto:henry.chladil@polymathian.com)

Oztix

Polymathian – solving hard numerical optimization problems

Business

Maximize NPV

MVP (minimum viable product) – solve problems at the right time, at the appropriate level of detail (make a minimum to prove that it works)

Python, C++

Cross platform: windows, ubuntu

Project:

* Choose the right problem (that can provide the most value) → mathematical model
* Formulate and solve (need to understand the business process & what data is available)
* Write and deploy software (write code) → only create MVP (software tool)

Tropofy – python framework

SQLAlchemg, Flask, Googlechart, plotly, css

* Iterate – stay align (software tool v2)
* ……

Transferrable skills

Desirable skills

Python, C++

Software architecture (not just script)

Tester, contact with customers

Operations research

MATH3202, MATH4202

Invest time in your dev environment

* Learn new tools
* Debugger
* Git
* Gorobby?

CSSE1001 tips:

Productivity matters:

* Virtualenv
* IDE or editor

Linter atleast

Revision control – important in real life

* CSSE2002/DECO2800

Recommendations – life skill

* COMP3301(operating systems)
* LAWS1100(business law)