Writing the thesis

- Introduction:
 - X Actual introduction
 - Scientific motivation
- Programmable photonics:
 - Basics of photonic processor
 - Components
 - Meshes
 - Circuit representation
 - Feedforward approximation

- X Difficulties
- × Programming of photonic processors
- X Translation of intent
- * The PHÔS programming language
- x Example of photonic circuits
- × Simulation
- X Future work
- × Conclusion

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Design and architecture

- Language design: grammar & semantics
- Constraint solver
- Compiler architecture:
 - Parser (fully implemented)
 - AST (fully implemented)
 - Code formatting (partially implemented)
 - Type checking

- AST to HIR
- HIR to MIR
- MIR to bytecode
- Bytecode VM
- Marshalling layer
- HAL layer generation
- 🗸
- × Place and route