HADRIAN SOBOTA

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PROFESSIONAL EXPERIENCE

Chicago Advocate Legal, NFP, Chicago, IL — July 2019 - Present

Finance and Operations Manager (formerly Billing Specialist)

- Own the finance function of a nonprofit law firm: billing, accounts receivable, payroll, grant budgets, and financial reporting across 300+ active matters and $1.1M in annual revenue; manage an assistant and two interns.
- Cut days sales outstanding from 184 days to roughly 70 while annual billings grew from $130K to $1.1M, and brought receivables over 90 days past due down from 70% of the open book to 38% by running collections firmwide.
- Set and govern firmwide pricing and fee structures, including sliding-scale rates, split-party GAL and Child Representative fees, concessions, and write-offs, and author the financial policies attorneys bill under.
- Built the firm's Excel tooling: an automated AR report generator for a ~$300K receivables book and a revenue-allocation model across five compensation structures with validation logic catching errors manual review misses.
- Built the client-level risk model and automated receivables reporting for leadership and the board.
- Joined as a legal intern in 2019 and worked as Legal Clerk from 2021, drafting marital settlement agreements, allocation judgments, and motions for divorce/custody proceedings, before moving to the finance side in 2024.

MAX Solutions Canada, Pickering, ON, Canada — June 2025 - September 2025

Supply Chain Intern

- Built Excel (VBA) models and Power BI dashboards for purchasing and inventory management on the factory floor of a specialty packaging manufacturer, removing 30-60 minutes of daily manual work for the production scheduler.
- Developed an inventory-reorder algorithm setting order timing and quantity under demand variability and lead-time fluctuation, reducing both stockouts and excess holding cost and building on my IEMS 394 capstone for the company.

Office Haratori, Zurich, Switzerland — June 2024 - August 2024

Architecture Intern

- Built a parameterized optimization model for a 25-unit housing development inside a stepped height envelope, increasing sellable space 14% and unit count 18% and recovering a project failing on financial feasibility.
- Produced the ArchiCAD model, a physical model, and renders for the housing scheme and for the conversion of a former factory building into a restaurant and café, including the structural replacement and reinforcement work.

Cunningham Lopez, LLP, Chicago, IL — Summers 2019 and 2020

Legal Intern

- Automated the client intake system, removing 1-2 hours of attorney time per case from early-stage case setup.
- Supported discovery in a high-profile case, reviewing and organizing case files and exhibits for the attorneys.
- Handled scheduling, files, and document retrieval across immigration, estate, and civil litigation matters.

PROJECTS

IEMS 394 Inventory Simulation Capstone, MAX Solutions, Concord, NC — Mar 2025 - June 2025

- Built a discrete-event simulation and statistical demand-forecasting model to set reorder policy and holding-cost targets for a manufacturer operating under demand volatility, lead-time variation, and limited historical data.

EDUCATION

Northwestern University, Evanston, IL — June 2026

Bachelor of Science, Industrial Engineering and Management Sciences

Relevant Coursework: Optimization, Stochastic Models, Discrete-Event Simulation, Supply-Chain Modeling, Operations Engineering, Machine Learning, Statistical Learning, Probability, Statistics, Financial Engineering, Economics and Finance for Engineers, Data Management and Information Processing, Service Engineering, Organizational Behavior.

TECHNICAL SKILLS

Operations and Analytics: Inventory and reorder policy, demand forecasting, discrete-event simulation, optimization, statistical and stochastic modeling, scenario analysis.

Programming and Data: Python, R, MATLAB, VBA, advanced Excel, Power BI, relational databases.

Design and Systems: ArchiCAD, Revit, Rhino; QuickBooks Online, Clio, Ramp.

Languages: Polish (fluent), Mandarin (intermediate).