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Chris Hendrix

Seismic Engineer / Developer

Seismic engineer with 8 years of experience specializing in engineering and risk assessments for the nuclear power industry. I have approximately 3 years of professional and personal software development experience.

WORK EXPERIENCE

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| Lead Engineer <i>Jensen Hughes</i> | 2017-Present <i>Boston, MA</i> |
| <ul style="list-style-type: none">• Engineering work focused on seismic/blast engineering and risk assessments.• Lead developer for a nuclear QA, Agile-managed desktop application that processes seismic motion using OOP, .NET language (WPF), Access database, and Bitbucket repository.• Helped scale and modularize ML software that processes natural language in nuclear power plant incident reports.• Developed meaningful trends as a lead data analyst for EPRI funded research on nuclear power risk assessments. Created a relational database in Access, and cleaned/visualized the data using Power Query/PowerBI.• Helped improve a nuclear client's database using remote machines (Hyper-V), VPN, and SQL server.• Developed project management tools using VBA and Power Query (with live connections to CRM) for senior management.• Currently writing proposals, project managing, and leading internal BD initiatives. | |
| Engineer <i>Stevenson & Associates</i> | 2013-2017 <i>Boston, MA</i> |
| <ul style="list-style-type: none">• Engineering work focused on seismic engineering and risk assessments (nuclear industry).• Lead developer for a .NET text pre/post processor for analysis software using OOP. | |
| Teaching Assistant, Java <i>MIT</i> | 2012-2013 <i>Boston, MA</i> |
| <ul style="list-style-type: none">• Taught weekly recitations going over lecture topics such as data structures, algorithms, and OOP.• Helped administer the course by writing test questions and homework solutions. | |

TECHNOLOGIES & SKILLS

- Languages: VB.NET, Python, Java, JavaScript, VBA, DAX
- Technologies: .NET, WPF, SQL, NoSQL, Git, REST, Node.js, React.js, Redux, MongoDB, Machine Learning
- Other: OOP, Agile, Data Analysis, Data Cleaning, Excel, PowerBI, Hyper-V

PROJECTS

- Earthquake Motion Software** | .NET, OOP, Access, WPF, Agile, Bitbucket, Jira
- Full desktop application that Converts and manipulates earthquake motions to/from time/frequency domains.
- Fantasy Baseball Website** | JavaScript, Node.js, React.js, Google Sheets API, React Table API, GitHub
- Custom fantasy baseball draft website that pulls live draft data from a Google Sheet into a filterable React Table.
- Mp3 Tagger** | .NET, OOP, Data Binding, External Libraries, GitHub
- Simple data-grid based mp3 tag editor that allows easy editing of mp3 file information, and easy file renaming.

EDUCATION

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| MIT <i>M.Eng., Seismic Engineering, 4.9</i> | 2012-2013 <i>Cambridge, MA</i> |
| MIT <i>B.S., Civil & Environmental Engineering; Minor: Architecture, 4.4</i> | 2009-2012 <i>Cambridge, MA</i> |