

## Matthew Gray

### Junior Software Developer

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Former Chemical Process Engineer transitioning into a Software Development role after completing We Can Code IT Bootcamp. Hands-on project experience building both the front-end and back-end of web apps using Bootstrap, Node.js, Django, and other frameworks.

### Technical and Transferable skills

C# • .NET • EF Core • JavaScript • MVC • HTML • CSS (Flexbox and Grid) • TDD • Agile (Scrum) • Webpack • Object Oriented Programming (OOP) • JSON • REST APIs • Responsive Design / Mobile • Relational Databases • Source Control / Git Node.js, ASP.NET and ASP.NET Core • Problem-solver • Detail oriented • Patient

### Software Development Project Experience

GitHub link: <https://github.com/MatthewGray319/>

#### Project Name, Developer

- Technologies used: Python, React.js, Redux, Node.js, PostgreSQL
- Designed and implemented movie recommendation application in 4-person team over 10 weeks.
- Enabled users to be recommended to movies based on 50+ data points; awarded most innovative project by (instructors).

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### Education

**Certificate**, We Can Code IT Bootcamp Project-Based Intensive, (20xx)

- Developed three mobile applications and built two user-friendly websites using full-stack Javascript and several other programming languages, libraries, and frameworks.

**Doctor of Philosophy (Ph.D.), Chemical Engineering**, Dartmouth College (06/2005)

**Bachelor of Arts (B.A.), Chemistry**, Bard College at Simon's Rock (05/2000)

### Experience

**Crew Member**, Raising Cane's Chicken Fingers, Mayfield Heights, OH (05/22-08/22)

- Worked together with the kitchen team to prepare food while following cooking instructions, safety procedures, and sanitary requirements.
- Maintained a clean and orderly work station to satisfy requirements of the Ohio Department of Health.
- Communicated effectively with other crew members and management and had perfect attendance.

**Cashier**, Giant Eagle, Lyndhurst, OH (05/21-10/21)

- Welcomed customers, answering their questions, helping them locate items, and providing advice or recommendations based on current promotions.
- Accepted payments including cash and credit, ensuring all prices and quantities were accurate and providing a receipt to every customer.
- Scanned and bagged items accurately and efficiently.

**Front End Worker**, Whole Foods Market, University Heights, OH (10/20-05/21)

- Greeted customers, provided them with item information and ensured usage of masks according to COVID protocol.
- Discarded all expired items according to company policy.
- Maintained cleanliness throughout the store.

**Preventative Health Advisor**, Lifeline Screening, Independence, OH (07/19-01/20)

- Answered inbound sales calls in a warm manner, building relationships with customers.
- Educated clients on preventative health care options for preventing strokes and cardiovascular diseases.
- Followed up on calls with previous customers to generate new sales.

**Food Preparation**, Flour Italian Kitchen, Moreland Hills, OH (03/19-07/19)

- Followed standard procedures for preparing stock food items.
- Cleaned plates and utensils using commercial single rack dishwashers.
- Ensured that the kitchen, all food prep areas and all food storage areas meet restaurant cleaning standards.

**Busser / Kitchen Worker / Server**, LGC Hospitality, Denver, CO (08/17-01/19)

- Set tables and rearranged the dining area to accommodate larger groups and prepare the restaurant for special events.
- Answered questions or made recommendations for complementary products.
- Followed proper washing procedures for sanitation of kitchenware and equipment.

**Senior Advanced Process Engineer**, Ciris Inc., Denver, CO (01/14-11/16)

- Performed engineering design including evaluation of capital and operating costs of new process plants using ASPEN software.
- Screened multiple separations technologies for the purification of organic acids.
- Performed chromatographic pulses, ion exchange, and membrane filtration at bench and pilot scales.

**Senior Engineer**, Virent, Inc., Madison, WI (10/08-07/13)

- Performed first and second generation biomass feedstock evaluations for catalytic conversion to hydrocarbon fuels and chemicals
- Conducted ion exchange, ion exclusion, and membrane filtration for laboratory and pilot development of feed purification systems
- Appointed Virent's in-house expert on biomass grants. Helped secure 7.4 million dollars (in aggregate) of funding with three U.S. DOE grants.

