



MICHAEL ANDERSON

COGNITIVE ALGORITHM DEVELOPER

PROFILE

Innovative Cognitive Scientist with a strong background in artificial intelligence and human-computer interaction. Over 5 years of experience designing algorithms that enhance user experiences through cognitive principles. Proficient in applying machine learning techniques to analyze user behavior and improve system responses. Adept at collaborating with software developers to create intuitive interfaces and optimize cognitive workloads in various applications.

EXPERIENCE

COGNITIVE ALGORITHM DEVELOPER

Tech Innovations Corp

2016 - Present

- Designed machine learning algorithms to personalize user experiences based on cognitive load assessments.
- Collaborated with UX designers to create user interfaces that align with cognitive principles.
- Conducted usability tests to gather data on user interactions and cognitive responses.
- Analyzed user behavior data to refine algorithms, improving engagement by 30%.
- Presented findings to stakeholders, translating complex cognitive concepts into actionable design strategies.
- Participated in cross-disciplinary teams to integrate cognitive science insights into product development.

USER EXPERIENCE RESEARCHER

Cognitive Solutions Inc.

2014 - 2016

- Conducted research on user behavior to inform product design decisions and cognitive engagement strategies.
- Utilized eye-tracking and other tools to assess cognitive load during user testing sessions.
- Collaborated with product teams to implement user feedback into iterative design processes.
- Created reports synthesizing research findings and recommendations for design improvements.
- Facilitated workshops to educate team members on cognitive principles affecting user experience.
- Trained interns in research methodologies and data analysis techniques.

CONTACT

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SKILLS

- Machine Learning
- User Experience Research
- Cognitive Load Theory
- Data Analysis
- Python
- UX Design

LANGUAGES

- English
- Spanish
- French

EDUCATION

M.S. IN HUMAN-COMPUTER INTERACTION, STANFORD UNIVERSITY

ACHIEVEMENTS

- Developed an algorithm that increased user engagement by 30% in mobile applications.
- Contributed to a project that won the 'Innovation Award' at the National Tech Conference.
- Published research on cognitive engagement strategies in leading UX journals.